



PRODUCT QUICK GUIDE
**CCTV PROJECT
PRODUCTS**

January - June 2023

HIKVISION®

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DORI Distance

Deep Learning is the new buzzword in science and technology.

A technology with innumerable applications, Deep Learning is beginning to influence many aspects of our lives. When it comes to the field of video & image analytics, Deep Learning applications have grown rapidly in recent years, benefiting from sophisticated algorithms based on neural networks. Now, Hikvision's DeepinView Series Cameras and DeepinMind Series NVRs and Servers will lead the way in this new world of security technology by making invisible intelligence visible for users, and then putting that intelligence to good use.

And what can Hikvision's Deep Learning products do? Facial Detection is only the beginning. With analytics that take business solutions into the next century, and with automated alarm accuracy above 90%, this technology is a step above and beyond video security as we know it.

Hikvision's Deep Learning technology filters insignificant objects and movements in a scene that would trigger conventional alarm systems. Vehicle data gets recorded and shapes the database to perform numerous security functions. People Counting systems give businesses an edge in marketing and conversion rates.

Across the board, Hikvision's Deep Learning Solutions are adding value on multiple levels – today and tomorrow.



Facial Recognition



Vehicle Identification



Human & Vehicle
Classification (AcuSense)



People Counting



Hard Hat Detection



More



ADVANCED LOW-LIGHT IMAGING

In dark locations or at night, conventional cameras lose their ability to reproduce color and critical details. And when they use strong supplemental lighting to mimic daylight, the on-screen video can easily be littered with digital noise. To solve this problem, Hikvision offers technologies that maximize the use of limited ambient light, producing high-quality color images while significantly minimizing and delaying the need for supplemental lighting.

> DarkFighter – Excellent image quality in low light

With a large 1/1.8" sensor, Hikvision's DarkFighter technology ensures **essential color imaging** with excellent quality in low light conditions.

> DarkFighterS – Premier image quality in virtually any light

Hikvision's DarkFighterS technology produces **professional-quality color imaging** in ultra-low light. It provides flexible lighting options to suit a variety of needs and settings and it guarantees equally sharp night vision in IR or visible light, leading the industry by achieving a delicate & complex confocal effect with an F1.0 large-aperture lens.

> DarkFighterX – Perfect image quality in nearly total darkness

Hikvision's DarkFighterX technology delivers **superior color imaging** in nearly total darkness with minimal motion blur. And in total darkness, the technology mimics the retina of the human eye, rendering vibrant colors with a dual-sensor design that makes the best use of infrared and visible light from blended supplemental lighting.

DarkFighter ✨
Down to 0.0007 lux

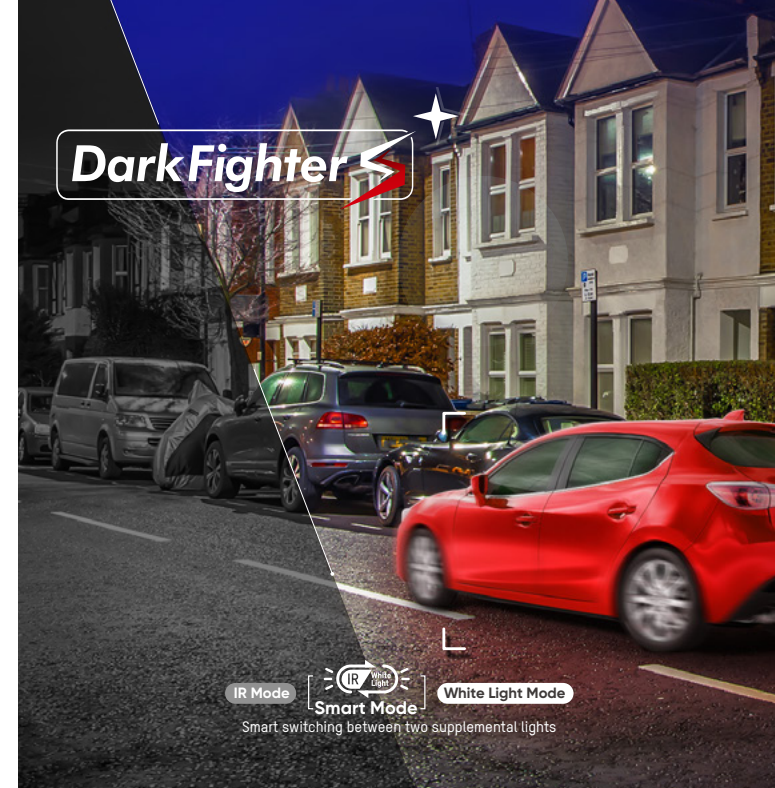
Large Sensor

DarkFighterS ✨
Down to 0.0003 lux

- Smart Hybrid Light
- Super Confocal Technology

DarkFighterX ✨
Down to 0.0002 lux

- Dual-Sensor Design
- Bi-Spectrum Image Fusion



OPEN PLATFORMS FOR DIVERSE APPLICATIONS

Hikvision's open platforms were developed to help AI service providers and end users meet a variety of specific needs across a host of vertical markets.

> AI Open Platform – Simplifying algorithm training for partners or users

Hikvision's AI Open Platform (AIOP) provides a warehouse of algorithm models for end users or AI service providers to train AI algorithms for dedicated use by inputting sample images. The trained algorithms can then be deployed on Hikvision's network cameras, NVRs, servers, or stored in the algorithm warehouse.

The AIOP platform features privatized deployment, low learning costs, and a friendly user interface, allowing end users to customize AI algorithms while keeping their data privacy well protected. Moreover, they can optimize the deployed algorithms iteratively in their operational environment.

> Hikvision Embedded Open Platform – Embedding third-party apps in Hikvision devices

Hikvision's Embedded Open Platform (HEOP) enables AI service providers to develop and run their own deep-learning applications on Hikvision's various hardware series.

The HEOP platform facilitates AI service providers' work through algorithm acceleration, one-stop services from technical support to app management, and the container isolation technology that reduces resource consumption while maintaining a high level of security.

The platform also covers partners' promotional needs, providing co-marketing and co-selling opportunities through Hikvision's global networks and business channels. AI service providers can easily join the HEOP ecosystem through Hikvision's Technology Partner Portal.



HIKVISION ACUSENSE TECHNOLOGY

Easy and affordable Artificial Intelligence has come to the mass market and a diverse set of users.

Hikvision's AcuSense technology embeds deep-learning algorithms into various security cameras and video recorders to automatically detect humans and vehicles through real-time video analytics and push instant notifications to users' mobile devices.

By minimizing false alarms triggered by animals, falling leaves, heavy rain, and other moving objects, and by sorting video footage into "Person Files" and "Vehicle Files" for easier search, AcuSense enables businesses and homeowners to focus security resources on real threats. Camera models with the Live Guard function also feature visual and auditory warnings to ward off trespassers the moment they are detected.

Sophisticated, highly effective, and affordable, the AcuSense solution provides SMB owners and operators an intelligent and easy-to-use protection system for their property and assets, while helping resellers build a uniquely competitive go-to-market proposition.

AcuSense
Technology

Making

a Breeze



AcuSense
Technology

The logo for ColorVu Technology, featuring the word "ColorVu" in a stylized font with a rainbow-colored "C" and "Technology" in a smaller, grey font below it, all set against a dark blue, irregular shape.A graphic showing a clock face with "24 Hours" and a plus sign followed by "7 Colorful Imaging". The "24" is in yellow, "Hours" is in blue, and "7" is in green. The text "Colorful Imaging" is in green.

View in color,
Even in darkness

HIKVISION COLORVU TECHNOLOGY

Darkness provides cover for theft, trespassing, and other crimes. When incidents occur at night, dim, low-quality images from conventional cameras miss or lose critical details. Cameras with infrared LEDs are able to provide extra light for clearer image, but in black-and-white.

But now, imagine capturing vivid, colorful details – such as the color of people's clothing or of a car – even in total darkness. Hikvision ColorVu Technology makes this possible.

Hikvision ColorVu Technology enables front-end products to capture details in low light with three advantages: advanced hardware, superior ISP algorithm, and reliable quality control. ColorVu technology employs two specific breakthroughs in hardware technology: advanced lenses and powerful sensors. These lenses reach up to F1.0, allowing more light to enter and thereby increasing image brightness. Next, high-sensitivity sensors vastly improve the utilization of that light. The frontier ISP algorithm realizes precise color rendition to produce accurate colorful images. Moreover, active alignment technology guarantees the focusing performance of lenses in the mass production of ultra-high definition ColorVu products, resulting in superlative quality control.

Extreme light conditions are also taken into consideration in the design process. Some cameras are equipped with warm, natural-looking supplemental lighting. This way, when there is no light source whatsoever – even starlight or street lights – they can guarantee colorful imaging. For most scenes, the environmental light is bright enough for ColorVu cameras to render vivid color without supplemental lighting.

The ColorVu Technology logo, featuring the word "ColorVu" in a stylized font with a rainbow-colored "C" and "Technology" in a smaller, grey font below it.



LIGHTFIGHTER

140 dB WDR

Hikvision is set to reach new heights in extremely high contrast imaging with the ultra-high 140 dB WDR “LightFighter” technology for exceptional, industry-leading visibility in brightly lit or high-contrast environments. The result of this cutting-edge advancement is crystal-clear, detail-rich images with true color reproduction in lighting conditions that would defeat conventional WDR technology.

The key to the performance of the LightFighter technology is the industry-leading WDR system that allows cameras to record greater scene details even where the intensity of illumination varies considerably, such as backlighting when very dark and very bright areas appear simultaneously in the field of view. The 140 dB WDR in the LightFighter offers 100 times more powerful enhancement than the conventional 120 dB WDR systems.

LightFighter is particularly suited to intense backlight situations, and is the ideal technology for cameras pointing towards windows and entrance doors.

8K

Four times the resolution of 4K, and 16 times that of 1080p, 8K is a display resolution of 7680 x 4320. Being the highest resolution within the security industry so far, 8K Ultra High Definition offers an unprecedented capacity to get more detail from a scene.

In order to deliver a “True 8K” experience to users, Hikvision has put forward a total solution combining the 8K cameras with 8K NVRs and displays. Hikvision’s 8K cameras deliver vast area coverage and crystal clear images, whereas its 8K NVRs take care of video access, storage, transfer, decoding, and output of 8K images, enabling vivid details, smooth preview and playback, as well as efficient video analytics.

Hikvision’s all-encompassing 8K solution facilitates users from various industries with the capacity to zoom into large scenes to view exact details without quality loss. The solution is suitable for both indoor and outdoor spaces such as airports, harbors, parking lots, public halls, squares, stadiums, and stations where wider angle of view and sharper, more detailed images are required.





TANDEM VU TECHNOLOGY

As uncertainty in many aspects of life increases, people today have higher-than-ever expectations for security. Unforeseen incidents and risks continually challenge existing security systems. In many cases, conventional fixed-angle network cameras – with their limited field of view – cannot take in the full scene. And when they zoom in, they lose the original big picture. Incidents get missed and unexpected losses ensue. But there is an answer.

The new TandemVu technology features Hikvision's next-generation camera design, integrating multiple lenses in one unit to provide big picture and small details in tandem, which is a breakthrough in camera innovation.

Equipped with this technology, Hikvision's TandemVu PTZ Cameras maintain original, big-picture view even during pan, tilt, and zoom maneuvers. Users will see everything and miss nothing at any given instant, getting great situational awareness from the moment they set the camera up.

HIKVISION HEATPRO VCA2.0

Any object with a temperature above absolute zero emits a detectable amount of infra-red (IR) radiation. Taking advantage of the differences in IR intensity between objects, thermal cameras make the invisible IR “visible” in the form of heat zone images. Therefore, thermal cameras “see” from different distances under virtually any light or weather condition, distinguishing people and vehicles from other objects.

The image reproduction of thermal cameras is not affected by lighting conditions - either extremely low light or even no light at all. And compared with imaging with visible light, thermal cameras are much less impacted by weather conditions such as fog, smog, rain and snow, so that they can work in virtually any environment, anytime.

HeatPro series thermal camera adopts VCA2.0 to produce reliable alarms for users. VCA 2.0 is an intelligent video content analysis technology based on deep learning algorithms, which detects targets and classifies them into human, vehicle and filters the others. With the 3-steps configuration, users can easily set up VCA rules to detect actions such as line crossing, intrusion, region entrance, and region exit with high accuracy.

Hikvision’s HeatPro series Bi-spectrum thermal cameras, comprised of turrets and bullets, provide professional protection with AI-enabled human/vehicles detection and classification, accurate temperature measurement for fire prevention and real-time visual and audible alarms. The cameras hit the target for cost and performance with a variety of applications in apartments, construction sites, warehouses, industrial parks, stores and more.



HeatPro



Hikvision HeatPro Series Thermal Cameras
Professional Protection Made Simple





HIKVISION TEMPERATURE MEASUREMENT

Each type of radiation has a unique wavelength. Any object with a temperature above absolute zero can emit a detectable amount of infrared radiation. The higher an object's temperature, the more infrared radiation is emitted. While invisible to human eyes, thermal cameras detect this kind of radiation (from wavelength 8 to 14 μm , or 8,000 – 14,000 nm) and produce images using temperature differences, making it possible to see the environment without visible light.

Hikvision thermography cameras are developed through strict calibration and standardized testing to achieve high accuracy ($\pm 2^\circ\text{C}$ or 2%) among wide temperature measurement range (-20°C - 550°C). Thermography cameras are sensitive to temperature changes in complex environments, detecting temperature anomalies before a fire starts with instant alarms. Besides, thermography cameras can help to find hot spots and invisible defects on machinery or electrical systems that could indicate a potential problem.

Hikvision provides a variety of thermography cameras such as turrets, bullets, PT cameras and positioning system, which support multiple temperature measurement rules including point, line, and frame. Useful functions like forklift filter and sunlight filter are applied to reduce false alarms. Thermography cameras are also used for safeguarding areas where conventional measurement tools are hard to reach and they help save on-site labor costs in substations, power plants, factories, warehouses and industrial parks, etc.

HIKVISION FIRE PREVENTION

Hikvision's fire prevention solution is tailored to three different scenarios: small areas, medium areas, and large areas.

For small areas such as warehouses, data centers, battery storage factories, and E-charging stations, temperature anomaly detection is used to prevent fire hazards. Hikvision's thermal cameras provide fast and visible warnings to alert on-site staff to take action in a timely manner. The HeatPro series can even trigger strobe lights with audio alarms to remind staff of potential hazards.

For medium areas such as petrochemical factories, manufacturing factories, waste treatment plants, and substations, temperature anomaly detection also plays an important role. Besides, as most medium areas are outdoor scenes, forklift filter and sun reflection filter functions are critical to reduce false alarms and improve accuracy.

For large areas such as forests, wildlife parks, and large resorts, Hikvision's thermal cameras locate suspicious heat sources and compare temperatures between targets and the environment to prevent conflagrations. In addition to the thermal channel, the optical channel's smoke detection can supplement fire-source detection.

Hikvision offers various thermal cameras for fire prevention, including turrets, bullets, PT cameras, and positioning systems. These cameras support multiple temperature measurement rules, including point, line, and frame, providing accurate temperatures instantly and detecting fire risks right away to ensure security.



SMALL-AREA
FIRE PREVENTION

MEDIUM-AREA
FIRE PREVENTION

LARGE-AREA
FIRE PREVENTION

Network Camera

002 DeepinView Series

015 Ultra Series

039 Special Series

044 Solar-powered Series



DeepinView Series Network Cameras


Deeper Intelligence Beyond the Edge

DeepinView Series Cameras feature Hikvision's top-tier image quality, video analytics, and versatility, bringing AI applications to a variety of business scenarios by automating detection, categorization, and analysis of significant objects or events. These cameras help business owners tap into the potential power of video-security systems and deepen their insights for safer and smarter operations.




- › Get ready-made AI functions or customize an algorithm for your business needs. These cameras enable scenario-centric real-time video analytics at the system edge. The supported intelligent functions include People Counting, Multi-Target-Type Detection, ANPR, Facial Recognition, Perimeter Protection, Queue Management, Heat Mapping, and more AIOP-enabled business-specific functions.
- › Capture sharp images and video around the clock with advanced technologies, including DarkFighterS, DarkFighterX, WDR, smooth streaming, and more. Select models with TandemVu technology feature multi-lens design and are able to capture small details and the big picture at the same time.
- › DeepinView Series Cameras are edge nodes in the AI Cloud architecture, focusing on multidimensional data collection and front-end video analytics. These cameras are easy to install and operate from the moment you set them up. And, a Trusted Platform Module (TPM) guarantees their security levels.










9 series

Model	IDS-2PT9A144MXS-D/T2(1352/6)
Image	 DeepinView
Image Sensor	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Panoramic Camera: Color: 0.002 Lux@(F1.0, AGC ON) Tracking PTZ Camera: Color: 0.0035 Lux@(F1.6, AGC ON)
WDR	120 dB
Lens	Panoramic Camera:6mm Tracking PTZ Camera:13mm to 52mm
FOV	Panoramic Camera:Horizontal FOV 54° Tracking PTZ Camera: Horizontal FOV 32° to 8°
Max. IR Range	40m
VCA	Multi-Target-Type Detection, Face Capture, Face Comparison
Frame Rate	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3
Protection Level	IP66
Angle Adjustment	Pan: 0° to 210°, tilt: -15° to 22°
Operating Temperature	Outdoor: -40°C to 70°C [-40°F to 158°F]
Humidity	≤ 90%
Local Storage	Built-in memory card slot, support microSD/microSDHC/ microSDXC (up to 256 GB)
Indoor/Outdoor	Outdoor
Audio I/O	1-ch audio input and 1-ch audio output
Alarm I/O	1-ch alarm input and 1-ch alarm output, support alarm linkage: Memory Card Recording/Alarm Output/Notify Command Center/Upload to FTP/Send Email
Power	36 VDC ± 25%, two core terminal block





8 series









Model	IDS-2CD8A4860-XZ(HJS(Y)	IDS-2CD8A4660-XZ(HJS(Y)	IDS-2CD8A8660-XZ(HJS(Y)
Image	 ANPR DeepinView	 ANPR DeepinView	 ANPR DeepinView
Image Sensor	Channel 1: 1/1.8 Progressive Scan CMOS, Channel 2: 1/1.8 Progressive Scan CMOS	Channel 1: 1/1.8 Progressive Scan CMOS, Channel 2: 1/1.8 Progressive Scan CMOS	Channel 1: 1/1.2 Progressive Scan CMOS Channel 2: 1/1.8 Progressive Scan CMOS
Max. Resolution	Channel 1:2560 × 1440 Channel 2:2560 × 1440	Channel 1:2688 × 1520 Channel 2:2560 × 1440	Channel 1:3840 × 2160 Channel 2:2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264 Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG
Min. Illumination	Channel 1: Color:0.0005 Lux @(F1.2, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR, Channel 2: Color:0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @(F1.0, AGC ON), 0 Lux with IR	Channel 1: Color:0.0005 Lux @(F1.2, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR, Channel 2: Color:0.0003 Lux @(F1.0, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @(F1.0, AGC ON), 0 Lux with IR	Channel 1: Color:0.0005 Lux @(F1.2, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @(F1.0, AGC ON), 0 Lux with IR, Channel 2: Color:0.0003 Lux @(F1.0, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @(F1.0, AGC ON), 0 Lux with IR
WDR	140dB	140dB	140dB
Lens	Channel 1: 5 to 20 mm Channel 2: 4 mm	Channel 1: 8 to 32 mm Channel 2: 4 mm	Channel 1: 10 to 50 mm Channel 2: 4 mm
FOV	Channel 1: 5 to 20 mm, horizontal FOV 59° to 24°, vertical FOV: 33.4° to 13.3°, diagonal FOV 67.5° to 27.5° Channel 2: 4 mm, horizontal FOV: 89°, vertical FOV: 45°, diagonal FOV: 107°	Channel 1: 8 to 32 mm @F1.6, horizontal FOV 42.5° to 15.2°, vertical FOV: 23.4° to 8.7°, diagonal FOV 49.7° to 17.3° Channel 2: 4 mm @F1.0, horizontal FOV: 95.2°, vertical FOV: 50.6°, diagonal FOV: 114.7°	Channel 1: 8 to 32 mm @F1.6, horizontal FOV 42.5° to 15.2°, vertical FOV: 23.4° to 8.7°, diagonal FOV 49.7° to 17.3° Channel 2: 4 mm @F1.0, horizontal FOV: 95.2°, vertical FOV: 50.6°, diagonal FOV: 114.7°
Supplement Light Range	Channel 1: up to 60 m, Channel 2: up to 30 m	Channel 1: up to 100 m, Channel 2: up to 30 m	Channel 1: up to 120 m Channel 2: up to 30 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Capture, Face Comparison, Queue Management, Road Traffic and Vehicle Detection, Perimeter Protection Traditional algorithm: Motion detection, video tampering alarm, exception, ideo quality diagnosis, vibration detection	Deep-learning-based algorithm: Multi-target-type Detection, Face Capture, Face Comparison, Road Traffic and Vehicle Detection, Perimeter Protection Traditional algorithm: Motion detection, video tampering alarm, exception, ideo quality diagnosis, vibration detection	Deep-learning-based algorithm: Multi-target-type Detection, Face Capture, Face Comparison, Road Traffic and Vehicle Detection, Perimeter Protection Traditional algorithm: Motion detection, video tampering alarm, exception, ideo quality diagnosis, vibration detection
Frame Rate	Channel 1: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Channel 2: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	Channel 1: 50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Channel 2: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	Channel 1: 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Channel 2: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5	5
Protection Level	IP67, IK10, -Y: NEMA 4X	IP67, IK10, -Y: NEMA 4X	IP67, IK10, -Y: NEMA 4X
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	-	-
Operating Temperature	With -H:-40 °C to 60 °C [-40 °F to 140 °F], Without -H:-30 °C to 60 °C [-22 °F to 140 °F]	With -H:-40 °C to 60 °C [-40 °F to 140 °F], Without -H:-30 °C to 60 °C [-22 °F to 140 °F]	With -H:-40 °C to 60 °C [-40 °F to 140 °F], Without -H:-30 °C to 60 °C [-22 °F to 140 °F]
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 256 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	1 input (line in, 3.5 mm) , 1 output (line out, 3.5 mm)	1 input (line in, 3.5 mm) , 1 output (line out, 3.5 mm)	1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power	Three-core terminal block, 12 VDC ± 20%, 1.87A, max. 19.5 W, 24 VAC ± 20%, 1.3 A, max. 19.5 W, PoE: 802.3at, Type 2, Class 4	Three-core terminal block, 12 VDC ± 20%, 1.63A, max. 19.5 W, 24 VAC ± 20%, 1.3 A, max. 19.5 W, PoE: 802.3at, Type 2, Class 4	Three-core terminal block, 12 VDC ± 20%, 1.63A, max. 19.5 W, 24 VAC ± 20%, 1.3 A, max. 19.5 W, PoE: 802.3at, Type 2, Class 4





Model	IDS-2CD702660-(AP)	IDS-2CD704660-(AP)(/F11)	IDS-2CD708660-AP	IDS-2CD70C560-AP	IDS-2CD714660-IZ(H)(S)(Y)
Image	 DeepinView	 DeepinView	 DeepinView	 DeepinView	 DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	3840 × 2160	4000 × 3000	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 Lux @ (F1.2, AGC ON)	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB	120 dB	DWDR	140 dB
Lens	CS mount	CS mount	CS mount	CS mount	CS mount
FOV	-	-	-	-	2.8 to 12 mm, horizontal FOV 107.4° to 39.8°, vertical FOV 56° to 22.4°, diagonal FOV 130.1° to 45.7° 8 to 32 mm, horizontal FOV 42.5° to 14°, vertical FOV 23.4° to 8°, diagonal FOV 49.7° to 17°
Max. IR Range	-	-	-	-	2.8 to 12 mm: 40 m 8 to 32 mm: 60 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50Hz: 20fps (4000 × 3000); 60Hz: 20fps (4000 × 3000)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5	5	5+5	5
Protection Level	-	-	-	-	IP67, IK10, -Y: NEMA 4X
Angle Adjustment	-	-	-	-	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F) With heater model (-H): -40 °C to 60 °C (-40 °F to 140 °F)
Humidity	95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB
Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Outdoor
Audio I/O	1 input (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone	1 input (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone	1 input (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone	1 inputs (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone	1 input (line in), 3.5 mm connector; 1 output (line out), 3.5 mm connector, 2 built-in microphones, 1 built-in speaker
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1A)	2 inputs, 2 outputs (max. 24 VDC, 1A)	2 inputs, 2 outputs (max. 24 VDC, 1A)	2 inputs, 2 outputs (max. 24 VDC, 1A)	2 input, 2 output (max. 24 VDC/24 VAC, 1 A)
Power	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 25%, three-core terminal block 24 VAC ± 25%, PoE: 802.3af, Type 2 Class 4









Model	IDS-2CD718660-IZ(HIS(Y)	IDS-2CD71C560-IZS	IDS-2CD752660-IZHS(Y)	IDS-2CD754660-IZHS(Y)
Image	 DeepinView	 DeepinView	 DeepinView	 DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160	4000 × 3000	1920 × 1080	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264 Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	120 dB	DWDR	140 dB	140 dB
Lens	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm
FOV	2.8 to 12 mm, horizontal FOV 98.0° to 38.1°, vertical FOV 51.4° to 21.6°, diagonal FOV 118.0° to 44° 8 to 32 mm, horizontal FOV 37.0° to 15.0°, vertical FOV 21.0° to 9.0°, diagonal FOV 43.0° to 17.0°	2.8 to 12 mm, horizontal FOV 96° to 46.2°, vertical FOV 69.2° to 27.2°, diagonal FOV 131° to 45.2° 8 to 32 mm, horizontal FOV 37.8° to 13.6°, vertical FOV 27.8° to 10.3°, diagonal FOV 48.6° to 17.4°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV 114.5° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.1° to 48° 8 to 32mm, horizontal FOV 42.5° to 15.1°, vertical FOV 23.3° to 8.64°, diagonal FOV 49.6° to 17.3°
Max. IR Range	2.8 to 12 mm: 40 m 8 to 32 mm: 60 m	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50Hz: 20fps (4000 × 3000) 60Hz: 20fps (4000 × 3000)	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5+5	5	5
Protection Level	IP67, IK10, -Y: NEMA 4X	IK10	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F) With heater model (I-H): -40 °C to 60 °C (-40 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB
Indoor/Outdoor	Outdoor / Indoor	Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	1 input (line in), 3.5 mm connector; 1 output (line out), 3.5 mm connector, 2 built-in microphones, 1 built-in speaker	1 input (line in), 3.5 mm connector; 1 output (line out), 3.5 mm connector, mono sound, 1 built-in microphone	1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, 2 built-in microphones	1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, 2 built-in microphones
Alarm I/O	2 input, 2 output (max. 24 VDC/24 VAC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)
Power	12 VDC ± 25%, three-core terminal block 24 VAC ± 25%, PoE: 802.3af, Type 2 Class 4	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	With -Y: 12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3af, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block; 24 VAC ± 20%, two-core terminal block; PoE: 802.3af, Type 2, Class 4	With -Y: 12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3af, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block; 24 VAC ± 20%, two-core terminal block; PoE: 802.3af, Type 2, Class 4





Model	iDS-2CD758660-IZHS(Y)	iDS-2CD75C560-IZHS(Y)(R)	iDS-2CD7A2660-IZHS(Y)	iDS-2CD7A4660-IZHS(Y) HOT
Image	 DeepinView	 DeepinView	 DeepinView	 DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160	4000 × 3000	1920 × 1080	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	120 dB	DWDR	140 dB	140 dB
Lens	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm
FOV	2.8 to 12 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58° to 23.1°, diagonal FOV 137.3° to 47.3° 8 to 32 mm, horizontal FOV 41.8° to 14.9°, vertical FOV 22.9° to 8.48°, diagonal FOV 48.7° to 17°	2.8 to 12 mm, horizontal FOV 96° to 46.2°, vertical FOV 69.2° to 27.2°, diagonal FOV 131° to 45.2° 8 to 32 mm, horizontal FOV 37.8° to 13.6°, vertical FOV 27.8° to 10.3°, diagonal FOV 48.6° to 17.4°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°
Max. IR Range	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 20 fps (4000 × 3000) 60 Hz: 20 fps (4000 × 3000)	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5+5	5	5
Protection Level	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-40 °C to 60 °C [-40 °F to 140 °F]	-40 °C to 60 °C [-22 °F to 140 °F]	-40 °C to 60 °C [-40 °F to 140 °F].	-40 °C to 60 °C [-40 °F to 140 °F].
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, 2 built-in microphones	With -R: 2 built-in microphone Without -R: 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	Without -Y: not support With -Y: 1 input (line in), 1 output (line out), 3.5 mm connector	Without -Y: not support With -Y: 1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)
Power	With -Y: 12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block; 24 VAC ± 20%, two-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, 10 to 48 VDC, two-core terminal block, reverse polarity protection; 24 VAC ± 20%, 15 to 36 VDC; PoE: 802.3at, Type 1, Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4





Model	IDS-2CD7A8660-IZHS(Y)	IDS-2CD7AC560-IZHS(Y)(R)	IDS-2CD704660/E-IHSY(/F11)(R)	IDS-2CD70C560/E-IHSY(R)
Image	 DeepinView	 DeepinView	 DeepinView	 DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160	4000 × 3000	2560 × 1440	4000 × 3000
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264Sub-stream/ Third stream/Fourth stream/Fifth stream/custom stream:H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.4, AGC ON); B/W: 0.0002 Lux @ (F1.4, AGC ON)
WDR	120 dB	DWDR	140 dB	DWDR
Lens	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	CS mount	CS mount
FOV	2.8 to 12 mm, horizontal FOV: 112.3° to 41.2°, vertical FOV: 58° to 23.1°, diagonal FOV: 137.3° to 47.3° 8 to 32 mm, horizontal FOV: 41.8° to 14.9°, vertical FOV: 22.92° to 8.48°, diagonal FOV: 48.7° to 17°	2.8 to 12 mm, horizontal FOV: 96.2° to 36.4°, vertical FOV: 69.3° to 27.2°, diagonal FOV: 129.4° to 45.5° 8 to 32 mm, horizontal FOV: 40.2° to 14.4°, vertical FOV: 29.6° to 10.8°, diagonal FOV: 51.47° to 17.8°	3.8 to 16 mm, horizontal FOV: 109.1° to 29.6°, vertical FOV: 61.3° to 16.8°, diagonal FOV: 125.1° to 33.9° 11 to 40 mm, horizontal FOV: 39.1° to 12.1°, vertical FOV: 21.4° to 6.8°, diagonal FOV: 45.8° to 13.9°	3.8 to 16 mm, horizontal FOV: 103.5° to 28.1°, vertical FOV: 77.3° to 21.1°, diagonal FOV: 129.3° to 35.0° 11 to 40 mm, horizontal FOV: 36.9° to 11.5°, vertical FOV: 27.1° to 8.6°, diagonal FOV: 47.5° to 14.4°
Max. IR Range	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m	3.8 to 16 mm: 80 m 11 to 40 mm: 120 m	3.8 to 16 mm: 80 m 11 to 40 mm: 120 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50Hz: 20fps (4000 × 3000) 60Hz: 20fps (4000 × 3000)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 20 fps (4000 × 3000) 60 Hz: 20 fps (4000 × 3000)
Streams	5	5+5	5	5+5
Protection Level	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	-	-
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C [-22 °F to 140 °F]	-40 °C to 65 °C [-40 °F to 149 °F]	-40 °C to 65 °C [-40 °F to 149 °F]
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 256 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	Without -Y: not support With -Y: 1 input (line in), 1 output (line out), 3.5 mm connector	With -R: not support with -IZHSY 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	With -R: not support Without -R: 1 input (line in), 1 output (line out), 3.5 mm connector, 2 channels	With -R: not support Without -R: 1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 input, 2 outputs (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	With F11: 24 VDC ± 20%, three-core terminal block 24 VAC ± 20%, three-core terminal block PoE: 802.3bt, Type3, Class 5 Without /F11: 24 VDC ± 20%, three-core terminal block 24 VAC ± 20%, three-core terminal block PoE: 802.3bt, Type3, Class 5	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3bt, Type3, Class 5





Model	IDS-2CD7A2660/P-IZHS(Y)	IDS-2CD7A4660/P-IZHS(Y)	IDS-2CD702660/EP-IHSY	IDS-2CD704660/EP-IHSY
Image	 	 	 	 
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	1920 × 1080	2688 × 1520
Video Compression	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+ / H.264 Sub-stream/third stream/fourth stream/fifth stream/ custom stream: H.265/H.264/MJPEG	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.4, AGC ON); B/W: 0.002 Lux @ (F1.4, AGC ON)
WDR	140 dB	140 dB	140 dB	140 dB
Lens	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	CS mount	CS mount
FOV	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°	3.8 to 16 mm, horizontal FOV: 109.1° to 29.6°, vertical FOV: 61.3° to 16.8°, diagonal FOV: 125.1° to 33.9° 11 to 40 mm, horizontal FOV: 39.1° to 12.1°, vertical FOV: 21.4° to 6.8°, diagonal FOV: 45.8° to 13.9°	3.8 to 16 mm, horizontal FOV: 109.1° to 29.6°, vertical FOV: 61.3° to 16.8°, diagonal FOV: 125.1° to 33.9° 11 to 40 mm, horizontal FOV: 39.1° to 12.1°, vertical FOV: 21.4° to 6.8°, diagonal FOV: 45.8° to 13.9°
Max. IR Range	2.8-12mm:50m 8-32mm:100m	2.8-12mm:50m 8-32mm:100m	3.8 to 16 mm: 80 m 11 to 40 mm: 120 m	3.8 to 16 mm: 80 m 11 to 40 mm: 120 m
VCA	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	*50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)*	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	*50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)*
Streams	5	5	5	5
Protection Level	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	-	-
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 65 °C (-40 °F to 149 °F)	-40 °C to 65 °C (-40 °F to 149 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/ microSDXC card, up to 1024 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	Without -Y: not support with -Y 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	Without -Y: not support with -Y 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	1 inputs (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 input, 2 outputs (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, 24 VAC ± 20%; three-core terminal block, PoE: 802.3bt, Type3, Class 5	12 VDC ± 20%, three-core terminal block, 24 VAC ± 20%; three-core terminal block, PoE: 802.3bt, Type3, Class 5




Model	IDS-2CD7A4560-IZ(HJS(Y)	IDS-2CD7A4560/P-IZ(HJS(Y)	IDS-2CD7A4760-XZHS(Y)	IDS-2CD7A8760-XZHS(Y)
Image	 DeepinView	 ANPR DeepinView	 DarkFighter ⁺ DeepinView	 DarkFighter ⁺ DeepinView
Image Sensor	1/2.5 Progressive Scan CMOS	1/2.5 Progressive Scan CMOS	1/1.8 Progressive Scan CMOS	1/1.8 Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520	2688 × 1520	3840 × 2160
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Fourth stream/Fifth stream: H.265/H.264/ MJPEG Third stream: H.265/H.264	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Fourth stream/Fifth stream: H.265/H.264/ MJPEG Third stream: H.265/H.264	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/ H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/ H.264	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/ H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/ H.264
Min. Illumination	Color: 0.009 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.009 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.0003 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light
WDR	140 dB	140 dB	140 dB	140 dB
Lens	4.7 to 118 mm	4.7 to 118 mm	2.8 to 12 mm	2.8 to 12 mm
FOV	4.7 to 118 mm, horizontal FOV 55.8° to 2.8°, vertical FOV 32.3° to 1.6°, diagonal FOV 63° to 3°	4.7 to 118 mm, horizontal FOV 55.8° to 2.8°, vertical FOV 32.3° to 1.6°, diagonal FOV 63° to 3°	2.8 to 12 mm, horizontal FOV 99.8° to 44.1°, vertical FOV 54.6° to 24.8°, diagonal FOV 113.8° to 51.1°	2.8 to 12 mm, horizontal FOV 99.8° to 44.1°, vertical FOV 54.6° to 24.8°, diagonal FOV 113.8° to 51.1°
Supplement Light Range	Up to 200 m	Up to 200 m	Hybrid (IR and White Light) Light Up to 50 m	Hybrid (IR and White Light) Light Up to 50 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection, Parking Management Traditional algorithm: Motion detection, video tampering alarm, exception, video quality diagnosis, vibration detection	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5	5	5
Protection Level	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	Without -H: -30 °C to 60 °C [-22 °F to 140 °F] With -H: -40 °C to 60 °C [-40 °F to 140 °F]	Without -H: -30 °C to 60 °C [-22 °F to 140 °F] With -H: -40 °C to 60 °C [-40 °F to 140 °F]	-40 °C to 60 °C [-40 °F to 140 °F].	-40 °C to 60 °C [-40 °F to 140 °F].
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	1 input (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power	With -Y: 12 VDC ± 20%, three-core terminal block 24 VAC ± 20%, three-core terminal block PoE: 802.3at, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block 24 VAC ± 20%, two-core terminal block PoE: 802.3at, Type 2, Class 4	With -Y: 12 VDC ± 20%, three-core terminal block 24 VAC ± 20%, three-core terminal block PoE: 802.3at, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block 24 VAC ± 20%, two-core terminal block PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4

Model	IDS-2CD7A4760/P-XZHS(Y)	IDS-2CD754760-XZHS(Y)	IDS-2CD758760-XZHS(Y)	IDS-2CD754760/P-XZHSY
Image	  <HOT> <NEW>	  <HOT> <NEW>	  <HOT> <NEW>	  <HOT> <NEW>
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520	3840 × 2160	2688 × 1520
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264
Min. Illumination	Color: 0.0003 Lux @ (F1.0, AGC ON),B/W: 0.0001 Lux @ (F1.0, AGC ON),0 Lux with light	Color: 0.0003 Lux @ (F1.0, AGC ON),B/W: 0.0001 Lux @ (F1.0, AGC ON),0 Lux with light	Color: 0.0005 Lux @ (F1.0, AGC ON),B/W: 0.0001 Lux @ (F1.0, AGC ON),0 Lux with light	Color: 0.0003 Lux @ (F1.0, AGC ON),B/W: 0.0001 Lux @ (F1.0, AGC ON),0 Lux with light
WDR	140 dB	140 dB	140 dB	140 dB
Lens	2.8 to 12 mm	2.8 to 12 mm	2.8 to 12 mm	2.8 to 12 mm
FOV	2.8 to 12 mm, horizontal FOV 99.8° to 44.1°, vertical FOV 54.6° to 24.8°, diagonal FOV 113.8° to 51.1°	2.8 to 12 mm, horizontal FOV 104.2° to 44.1°, vertical FOV 55.3° to 24.8°, diagonal FOV 126.8° to 51.1°	2.8 to 12 mm, horizontal FOV 104.2° to 44.1°, vertical FOV 55.3° to 24.8°, diagonal FOV 126.8° to 51.1°	2.8 to 12 mm, horizontal FOV 104.2° to 44.1°, vertical FOV 55.3° to 24.8°, diagonal FOV 126.8° to 51.1°
Supplement Light Range	Hybrid (IR and White Light) Light Up to 50 m	Hybrid (IR and White Light) Light Up to 30 m	Hybrid (IR and White Light) Light Up to 30 m	Hybrid (IR and White Light) Light Up to 30 m
VCA	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection, Parking Management Traditional algorithm: Motion detection, video tampering alarm, exception, video quality diagnosis, vibration detection	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP,Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP,Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, People Management, People Counting, Heat Map, AIOP,Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5	5	5
Protection Level	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 85°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 85°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 85°, rotate: 0° to 355°
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-40 °F to 140 °F).
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	1 input (line in), 1 output (line out), 3.5 mm connector	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4

Model	IDS-2CD734760-XS	IDS-2CD738760-XS	IDS-2CD7T4760-XHS(Y)	IDS-2CD7T8760-XHS(Y)
Image	 HOT NEW DarkFighter S DeepinView	 HOT NEW DarkFighter S DeepinView	 HOT NEW DarkFighter S DeepinView	 HOT NEW DarkFighter S DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	3840 × 2160	2688 × 1520	3840 × 2160
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.0003 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.0003 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light
WDR	140 dB	120 dB	140 dB	120 dB
Lens	2.8mm or 4mm	2.8mm or 4mm	2.8mm or 4mm	2.8mm or 4mm
FOV	2.8 mm: horizontal FOV 111.0°, vertical FOV 57.6°, diagonal FOV 138.4° 4 mm: horizontal FOV 94.7°, vertical FOV 49.4°, diagonal FOV 112.6°	2.8 mm: horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° 4 mm: horizontal FOV 93.0°, vertical FOV 48.4°, diagonal FOV 110.4°	2.8 mm: horizontal FOV 111.0°, vertical FOV 57.6°, diagonal FOV 138.4° 4 mm: horizontal FOV 94.7°, vertical FOV 49.4°, diagonal FOV 112.6°	2.8 mm: horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° 4 mm: horizontal FOV 93.0°, vertical FOV 48.4°, diagonal FOV 110.4°
Supplement Light Range	IR: Up to 50m; White Light: Up to 30m	IR: Up to 50m; White Light: Up to 30m	IR: Up to 50m; White Light: Up to 30m	IR: Up to 50m; White Light: Up to 30m
VCA	Deep-learning-based algorithm: Face Capture, People Management, People Counting, Heat Map, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, video quality diagnosis, exception, vibration detection	Deep-learning-based algorithm: Face Capture, People Management, People Counting, Heat Map, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, video quality diagnosis, exception, vibration detection	Deep-learning-based algorithm: Face Capture, People Management, People Counting, Heat Map, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, video quality diagnosis, exception, vibration detection	Deep-learning-based algorithm: Face Capture, People Management, People Counting, Heat Map, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, video quality diagnosis, exception, vibration detection
Frame Rate	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5	5	5
Protection Level	IP67	IP67	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 65°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 65°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-40 °F to 140 °F).
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	3 input, 2 output (max. 24 VDC, 1 A)	3 input, 2 output (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 1, Class 3	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 1, Class 3	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4

Model	IDS-2CD7D4760-XS	IDS-2CD7D8760-XS	IDS-2CD714660/H-IZ(HIS(Y)	IDS-2CD718660/H-IZ(HIS(Y)
Image	 HOT NEW DarkFighter S + DeepinView	 HOT NEW DarkFighter S + DeepinView	 NEW DeepinView	 NEW DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	3840 × 2160	2688 × 1520	3840 × 2160
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.0003 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON), B/W: 0.0002 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
WDR	140 dB	120 dB	140 dB	120 dB
Lens	2.8mm or 4mm	2.8mm or 4mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm
FOV	2.8 mm: horizontal FOV 111.0°, vertical FOV 57.6°, diagonal FOV 138.4° 4 mm: horizontal FOV 94.7°, vertical FOV 49.4°, diagonal FOV 112.6°	2.8 mm: horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° 4 mm: horizontal FOV 93.0°, vertical FOV 48.4°, diagonal FOV 110.4°	2.8 to 12 mm, horizontal FOV 114.6° to 14.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1° 8 to 32 mm, horizontal FOV 42.5° to 14°, vertical FOV 23.4° to 8°, diagonal FOV 49.7° to 17°	2.8 to 12 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58° to 23.1°, diagonal FOV 137.4° to 47.3° 8 to 32 mm, horizontal FOV 41.8° to 15.0°, vertical FOV 22.9° to 8.5°, diagonal FOV 48.7° to 17.1°
Supplement Light Range	IR: Up to 50m; White Light: Up to 30m	IR: Up to 50m; White Light: Up to 30m	2.8 to 12 mm: Monitoring: 30 m; 8 to 32 mm: Monitoring: 50 m	2.8 to 12 mm: Monitoring: 30 m; 8 to 32 mm: Monitoring: 50 m
VCA	Deep-learning-based algorithm: Face Capture, People Management, People Counting, Heat Map, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, video quality diagnosis, exception, vibration detection	Deep-learning-based algorithm: Face Capture, People Management, People Counting, Heat Map, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, video quality diagnosis, exception, vibration detection	HEOP2.0 for 3rd party integration	HEOP2.0 for 3rd party integration
Frame Rate	50 Hz: 25 fps (2688 × 1520) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5	5	5
Protection Level	IP67, IK10	IP67, IK10	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	With -H: -40 °C to 60 °C (-40 °F to 140 °F) Without -H: -30 °C to 60 °C (-22 °F to 140 °F)	With -H: -40 °C to 60 °C (-40 °F to 140 °F) Without -H: -30 °C to 60 °C (-22 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1024 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor		Outdoor / Indoor
Audio I/O	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 1, Class 3	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 1, Class 3	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4

Model	IDS-2CD71C560/H-IZ(H)S(Y)	IDS-2CD704660/H-AP	IDS-2CD708660/H-IZ(H)S(Y)	IDS-2CD70C560/H-AP
Image	 DeepinView -NEW	 DeepinView -HOT -NEW	 DeepinView -HOT -NEW	 DeepinView -HOT -NEW
Image Sensor	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
Max. Resolution	4000×3000	2688 × 1520	3840 × 2160	4000×3000
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.009 Lux @ (F1.2, AGC ON), B/W: 0.0009 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON), B/W: 0.0002 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.009 Lux @ (F1.2, AGC ON), B/W: 0.0009 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
WDR	DWDR	140 dB	120 dB	DWDR
Lens	2.8 to 12 mm or 8 to 32 mm	CS mount	CS mount	CS mount
FOV	2.8 to 12 mm, horizontal FOV 100.6° to 37.8°, vertical FOV 72.2° to 28.3°, diagonal FOV 137.3° to 47.3° 8 to 32 mm, horizontal FOV 38.1° to 13.7°, vertical FOV 28.2° to 10.4°, diagonal FOV 48.7° to 17.1°	–	–	–
Supplement Light Range	2.8 to 12 mm: Monitoring: 30 m; 8 to 32 mm: Monitoring: 50 m	–	–	–
VCA	HEOP2.0 for 3rd party integration	HEOP2.0 for 3rd party integration	HEOP2.0 for 3rd party integration	HEOP2.0 for 3rd party integration
Frame Rate	50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (4000 × 3000) 60 Hz: 30 fps (4000 × 3000)	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (4000 × 3000) 60 Hz: 30 fps (4000 × 3000)
Streams	5	5	5	5
Protection Level	IP67,IK10 -Y: NEMA 4X	–	–	–
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	–	–	–
Operating Temperature	With -H: -40 °C to 60 °C [-40 °F to 140 °F] Without -H: -30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Indoor/Outdoor	Outdoor / Indoor	Indoor	Indoor	Indoor
Audio I/O	2 built-in microphones; 1 Built-in Speaker; 1 input (line in), 1 output (line out), 3.5 mm connector	1 built-in microphones; 1 input (line in), 1 output (line out), 3.5 mm connector	1 built-in microphones; 1 input (line in), 1 output (line out), 3.5 mm connector	1 built-in microphones; 1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
Power	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 1, Class 3	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 1, Class 3	12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 1, Class 3







Model	IDS-2CD7A4660/H-IZHS(Y)	IDS-2CD7A8660/H-IZHS(Y)	IDS-2CD7AC560/H-IZHS(Y)
Image	 DeepinView	 DeepinView	 DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	3840 × 2160	4000 × 3000
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.009 Lux @ (F1.2, AGC ON), B/W: 0.0009 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
WDR	140 dB	120 dB	DWDR
Lens	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm
FOV	2.8 to 12 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1° 8 to 32 mm, horizontal FOV 42.5° to 15.2°, vertical FOV 23.4° to 8.7°, diagonal FOV 49.7° to 17.3°	2.8 to 12 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58° to 23.1°, diagonal FOV 137.4° to 47.3° 8 to 32 mm, horizontal FOV 41.8° to 15.0°, vertical FOV 22.9° to 8.5°, diagonal FOV 48.7° to 17.1°	2.8 to 12 mm, horizontal FOV 100.6° to 37.8°, vertical FOV 72.2° to 28.3°, diagonal FOV 137.3° to 47.3° 8 to 32 mm, horizontal FOV 38.1° to 13.7°, vertical FOV 28.2° to 10.4°, diagonal FOV 48.7° to 17.1°
Supplement Light Range	2.8 to 12 mm: Monitoring: 30 m; 8 to 32 mm: Monitoring: 50 m	2.8 to 12 mm: Monitoring: 50 m; 8 to 32 mm: Monitoring: 100 m	2.8 to 12 mm: Monitoring: 50 m; 8 to 32 mm: Monitoring: 100 m
VCA	HEOP2.0 for 3rd party integration	HEOP2.0 for 3rd party integration	HEOP2.0 for 3rd party integration
Frame Rate	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (4000 × 3000) 60 Hz: 30 fps (4000 × 3000)
Streams	5	5	5
Protection Level	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X	IP67, IK10 -Y: NEMA 4X
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Indoor/Outdoor	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Audio I/O	1 input (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
Power	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4	12 VDC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4






Ultra Series Network Cameras











Hikvision's Ultra-Series Network Cameras are designed to upgrade the overall security performance in virtually any setting with durable hardware, expanded software capabilities, and the Hikvision Embedded Open Platform (HEOP) for third-party applications. With technology that just might surprise you, the Ultra-Series offers unmatched reliability and scalability to boost success for systems integrators and installers in a host of markets.











- › Most camera models of the Ultra Series are embedded with a deep-learning algorithm to distinguish persons and vehicles from other moving objects. Select models support switching from among four dedicated, embedded AI algorithms for People Counting, Perimeter Protection, and more. Users can continue optimizing the object detection accuracy in a specific scene through the Learn-by-Example mode of Self-Learning Analytics.
- › With resolution up to 4K (8 MP), 120 dB WDR, and the DarkFighterS and ColorVu low-light imaging, Ultra Series Cameras provide clear details and vivid colors even in the most challenging light conditions.
- › The Ultra Series Cameras come in bullet, turret, dome, and other form factors, so you can always pick the ones that suit your customers' installation environments. The series includes outdoor models resistant to water, dust and vandalism, along with specialty models with extended corrosion protection.
- › Loaded with advanced functionalities to increase your system's cybersecurity level, including 802.1x EAP-TLS 1.2, security audit logs, stream encryption, SFTP, SD card encryption, etc.
- › Supports HEOP, Metadata, ONVIF, ISAPI, SDK, and E-Home to facilitate integration








Model	DS-2CD304762-LS	DS-2CD308762-LSU	DS-2CD334762-LSU	DS-2CD338762-LSU	DS-2CD354762-LS	DS-2CD364762T-LZS
Image	 ColorVu	 ColorVu	 ColorVu	 ColorVu	 ColorVu	 ColorVu
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.2" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.2" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	3840 × 2160	2688 × 1520	3840 × 2160	2688 × 1520	2688 × 1520
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light
WDR	130 dB	120 dB	130 dB	130 dB	130 dB	130 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 to 12 mm
FOV	2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134° 4 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 115° 6 mm, horizontal FOV 58°, vertical FOV 31°, diagonal FOV 69°	2.8 mm: horizontal FOV 102°, vertical FOV 52°, diagonal FOV 124° 4 mm: horizontal FOV 88°, vertical FOV 47°, diagonal FOV 104° 6 mm: horizontal FOV 54°, vertical FOV 30°, diagonal FOV 62°	2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134° 4 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 115° 6 mm, horizontal FOV 58°, vertical FOV 31°, diagonal FOV 69°	2.8 mm, horizontal FOV 102°, vertical FOV 52°, diagonal FOV 124° 4 mm, horizontal FOV 88°, vertical FOV 51°, diagonal FOV 115° 6 mm, horizontal FOV 58°, vertical FOV 47°, diagonal FOV 104°	2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134° 4 mm, horizontal FOV 95°, vertical FOV 47°, diagonal FOV 115°	horizontal FOV 105.4° to 56.4°, vertical FOV 53.9° to 31.6°, diagonal FOV 131.8° to 65.1°
Supplement Light Range	White Light Up to 40 m	White Light Up to 40 m	White Light Up to 40 m	White Light Up to 40 m	White Light Up to 40 m	White Light Up to 60 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67	IP67,IK10	IP67	IP67	IP67	IP67,IK10
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out Built-in microphone	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Power Supply	12 VDC ± 25% PoE: 802.3af, Type 1, Class 3	12 VDC ± 25%, 7 W PoE: 802.3af, 36 V to 57 V), 8.5 W	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3	12 VDC, 0.47 A, max. 5.6 W PoE: 802.3af, 36 V to 57 V, 0.18 A to 0.12 A, max. 6.6 W	12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3af, Class 3, 36 V to 57 V), 0.22 A to 0.14 A, max. 8 W	12 VDC ± 25%, reverse polarity protection, PoE: 802.3af, Class 4

Model	DS-2CD3687G2T-LZS	DS-2CD374762T-LZSU	DS-2CD378762T-LZSU	DS-2CD3T8762P-LSU/SL	DS-2CD338762P-LSU/SL
Image	 ColorVu NEW	 ColorVu NEW	 ColorVu NEW	 ColorVu HOT NEW	 ColorVu HOT NEW
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	2 × 1/1.8" Progressive Scan CMOS	2 × 1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160	2688 × 1520	3840 × 2160	5120 × 1440	5120 × 1440
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.0008 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0008 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
WDR	130 dB	130 dB	130 dB	130 dB	130 dB
Lens	2.8 to 12 mm	2.8 to 12 mm	2.8 to 12 mm	4 mm	4 mm
FOV	2.8 to 12 mm, horizontal FOV 103.3° to 40°, vertical FOV 52.7° to 22.3°, diagonal FOV 127.9° to 46.1°	2.8 to 12 mm, horizontal FOV 105.4° to 56.4°, vertical FOV 53.9° to 31.6°, diagonal FOV 131.8° to 65.1°	2.8 to 12 mm, horizontal FOV 103.3° to 40°, vertical FOV 52.7° to 22.3°, diagonal FOV 127.9° to 46.1°	Horizontal FOV: 180° ± 10° Vertical FOV: 44°	Horizontal FOV: 180° ± 10° Vertical FOV: 44°
Supplement Light Range	White Light Up to 60 m	White Light Up to 40 m	White Light Up to 40 m	White Light Up to 40 m	White Light Up to 40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection [support alarm triggered by specified target types (human and vehicle)], scene change detection, audio exception detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection [support alarm triggered by specified target types (human and vehicle)], scene change detection, audio exception detection
Frame Rate	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 12.5 fps (5120 × 1440) 60 Hz: 15 fps (5120 × 1440)	50 Hz: 20 fps (5120 × 1440) 60 Hz: 20 fps (5120 × 1440)
Multi-Streaming	4	4	4	4	4
Protection Level	IP67,IK10	IP67,IK10	IP67,IK10	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: -75° to 75°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	2 in, 2 out	1 in, 1 out
Power Supply	DC: 12 V, 1.21 A, reverse polarity protection; PoE: IEEE 802.3af class 4	12 VDC ± 25%, reverse polarity protection, PoE: 802.3af, Class 3	12 VDC ± 25%, reverse polarity protection, PoE: IEEE 802.3af class 3	12 VDC ± 25%, 0.79 A, max. 9.5 W, Ø 5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.29 A to 0.18 A, max. 10.5 W	12 VDC, 0.47 A, max. 5.6 W PoE: 802.3af, 36 V to 57 V, 0.18 A to 0.12 A, max. 6.6 W

Model	DS-2CD304662H-LI(U)	DS-2CD314662H-LIS(U)	DS-2CD334662H-LIS(U)	DS-2CD336662H-LISU	DS-2CD338662H-LISU
Image	  ⁺	  ⁺	  ⁺	  ⁺	  ⁺
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520	2688 × 1520	3200 × 1800	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
WDR	130 dB	130 dB	130 dB	130 dB	130 dB
Lens	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm
FOV	2.8 mm, horizontal FOV 100.2°, vertical FOV 54.7°, diagonal FOV 119.7° 4 mm, horizontal FOV 81.1°, vertical FOV 44.7°, diagonal FOV 94.6°	2.8 mm, horizontal FOV 100.2°, vertical FOV 54.7°, diagonal FOV 119.7° 4 mm, horizontal FOV 81.1°, vertical FOV 44.7°, diagonal FOV 94.6°	2.8 mm, horizontal FOV 100.2°, vertical FOV 54.7°, diagonal FOV 119.7° 4 mm, horizontal FOV 81.1°, vertical FOV 44.7°, diagonal FOV 94.6°	2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° 4 mm, horizontal FOV 93.3°, vertical FOV 47.2°, diagonal FOV 114.2°	2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° 4 mm, horizontal FOV 93.3°, vertical FOV 47.2°, diagonal FOV 114.2°
Supplement Light Range	Up to 40 m	Up to 40 m	Up to 40 m	Up to 40 m	Up to 40 m
VCA	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Support alarm triggered by specified target types (human and vehicle), Unattended baggage detection, object removal detection, scene change detection, audio exception detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Support alarm triggered by specified target types (human and vehicle), Unattended baggage detection, object removal detection, scene change detection, audio exception detection
Frame Rate	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4
Protection Level	IP67	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	512 GB	512 GB	512 GB	512 GB
Audio I/O	-	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	-	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)
Power Supply	12 VDC ± 25%, 0.7 A, max. 8.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 10 W	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA

Model	DS-2CD3T4662H-LIS	DS-2CD3T6662H-LISU	DS-2CD3T8662H-LISU	DS-2CD364662HT-LIZS	DS-2CD368662HT-LIZS
Image	 	 	 	 	 
Image Sensor	1/3" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	3200 × 1800	3840 × 2160	2688 × 1520	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0028 Lux @ (F1.2, AGC ON), 0 Lux with light
WDR	130 dB	130 dB	130 dB	130 dB	130 Db
Lens	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	2.7 to 13.5 mm	2.7 to 13.5 mm
FOV	2.8 mm, horizontal FOV 100.2°, vertical FOV 54.7°, diagonal FOV 119.7° 4 mm, horizontal FOV 81.1°, vertical FOV 44.7°, diagonal FOV 94.6°	2.8 mm, horizontal FOV 105.1°, vertical FOV 54.8°, diagonal FOV 128.2° 4 mm, horizontal FOV 90.0°, vertical FOV 45.8°, diagonal FOV 109.4°	2.8 mm, horizontal FOV 105.1°, vertical FOV 54.8°, diagonal FOV 128.2° 4 mm, horizontal FOV 90.0°, vertical FOV 45.8°, diagonal FOV 109.4°	2.7 to 13.5 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°	2.7 to 13.5 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58.1° to 23.1°, diagonal FOV 137.4° to 47.3°
Supplement Light Range	Up to 40 m	Up to 40 m	Up to 40 m	Up to 60 m	Up to 60 m
VCA	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Support alarm triggered by specified target types (human and vehicle), Unattended baggage detection, object removal detection, scene change detection, audio exception detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Support alarm triggered by specified target types (human and vehicle), Unattended baggage detection, object removal detection, scene change detection, audio exception detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection
Frame Rate	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4
Protection Level	IP67	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	512 GB	512 GB	512 GB	512 GB
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power Supply	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA

Model	DS-2CD3746G2HT-LIZSU	DS-2CD3786G2HT-LIZSU	DS-2CD3B26G2T-IZHS(Y)(H)	DS-2CD3B46G2T-IZHS(Y)(H)	DS-2CD3B86G2T-IZHS(Y)(H)
Image	 	 	 	 	 
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	3840 × 2160	1920 × 1080	2688 × 1520	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0028 Lux @ (F1.2, AGC ON), 0 Lux with light	Color: 0.0014 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.0014 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.0014 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
WDR	130 Db	130 Db	140 dB	140 dB	120 dB
Lens	2.7 to 13.5 mm	2.7 to 13.5 mm	2.8 to 12 mm 8 to 32 mm	2.8 to 12 mm 8 to 32 mm	2.8 to 12 mm
FOV	2.7 to 13.5 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°	2.7 to 13.5 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58.1° to 23.1°, diagonal FOV 137.4° to 47.3°	2.8 to 12 mm: horizontal FOV 107° to 40°, vertical FOV 56° to 22°, diagonal FOV 130° to 46° 8 to 32 mm: horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm: horizontal FOV 107° to 40°, vertical FOV 56° to 22°, diagonal FOV 130° to 46° 8 to 32 mm: horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm: horizontal FOV 112° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47°
Supplement Light Range	Up to 40 m	Up to 40 m	2.8 to 12 mm: up to 60 m 8 to 32 mm: up to 80 m	2.8 to 12 mm: up to 60 m 8 to 32 mm: up to 80 m	2.8 to 12 mm: up to 60 m
VCA	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, unattended baggage detection, object removal detection, audio exception detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, unattended baggage detection, object removal detection, audio exception detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, unattended baggage detection, object removal detection, audio exception detection
Frame Rate	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4
Protection Level	IP67	IP67	IK10 ; IP67	IK10 ; IP67	IK10 ; IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-40 °C to +60 °C [-40 °F to +140 °F]	-40 °C to 60 °C [-40 °F to 140 °F]	-40 °C to 60 °C [-40 °F to 140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	512 GB	256 GB	256 GB	256 GB
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 vpp, input impedance: 2.2 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	3 inputs, 3 outputs (max. 24 VDC/24 VAC, 1 A)	3 inputs, 3 outputs (max. 24 VDC/24 VAC, 1 A)	3 inputs, 3 outputs (max. 24 VDC/24 VAC, 1 A)
Power Supply	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA

Model	DS-2CD3D2662T-IZHSU(Y)(H)	DS-2CD3D4662T-IZHSU(Y)(H)	DS-2CD3D8662T-IZHSU(Y)(H)	DS-2CD304662-IS(H)	DS-2CD306662-IS(H)
Image					
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.4" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3840 × 2160	2688 × 1520	3200 × 1800
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.0014 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.0014 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.0014 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.003 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
WDR	140 dB	140 dB	120 dB	120 dB	120 dB
Lens	2.8 to 12 mm 8 to 32 mm	2.8 to 12 mm 8 to 32 mm	2.8 to 12 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm
FOV	2.8 to 12 mm, horizontal FOV 115° to 42°, vertical FOV 59° to 24°, diagonal FOV 141° to 48° 8 to 32 mm, horizontal FOV 42° to 15°, vertical FOV 23° to 9°, diagonal FOV 49° to 17°	2.8 to 12 mm, horizontal FOV 115° to 42°, vertical FOV 59° to 24°, diagonal FOV 141° to 48° 8 to 32 mm, horizontal FOV 42° to 15°, vertical FOV 23° to 9°, diagonal FOV 49° to 17°	2.8 to 12 mm, horizontal FOV 112° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47°	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 64°	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127° 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96° 6 mm, horizontal FOV 51°, vertical FOV 26°, diagonal FOV 59°
Supplement Light Range	2.8 to 12 mm: up to 40 m 8 to 32 mm: up to 60 m	2.8 to 12 mm: up to 40 m 8 to 32 mm: up to 60 m	2.8 to 12 mm: up to 40 m	Up to 40 m	Up to 40 m
VCA	Face Capture, Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)	Line crossing, intrusion, region entrance, region exiting (support alarm triggering by specified target types (human and vehicle)) Unattended baggage detection, object removal detection, scene change detection, audio exception detection	Face Capture, Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (Support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4
Protection Level	IK10 ; IP67	IK10 ; IP67	IK10 ; IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-40 °C to 60 °C [-40 °F to 140 °F]	-40 °C to 60 °C [-40 °F to 140 °F]	-40 °C to 60 °C [-40 °F to 140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	512 GB	512 GB
Audio I/O	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium Alarm 1 input, 1 output (max. 12 VDC, 30 mA)
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A; 24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A; 24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A; 24 VAC, 1 A)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)
Power Supply	12 VDC, 100 mA	12 VDC, 100 mA	12 VDC, 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA




Model	DS-2CD308662-IS(H)	DS-2CD304662-IU/SL(H)	DS-2CD314662-IS(U)(H)	DS-2CD316662-IS(U)(H)
Image				
Image Sensor	1/1.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.4" Progressive Scan CMOS
Max. Resolution	3840 × 2160	2688 × 1520	2688 × 1520	3200 × 1800
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.6, AGC ON),B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON),B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON),B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON),B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm
FOV	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60°	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 64°	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 64°	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127° 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96° 6 mm, horizontal FOV 51°, vertical FOV 26°, diagonal FOV 59°
Supplement Light Range	Up to 40 m	Up to 40 m	Up to 40 m	Up to 40 m
VCA	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection
Frame Rate	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4
Protection Level	IP67	IP67	IK10 ; IP67	IK10 ; IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	512 GB	512 GB	512 GB
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium	N/A	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	1 input, 1 output (max. 12 VDC, 30 mA)	Visual alarm	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)
Power Supply	12 VDC, max. 100 mA (supported by all power supply types)	12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8 W	12 VDC, max. 100 mA	12 VDC, max. 100 mA

Model	DS-2CD3186G2-IS(U)(H)	DS-2CD3346G2-IS(U)(H)	DS-2CD3366G2-IS(U)(H)	DS-2CD3386G2-IS(U)(H)
Image				
Image Sensor	1/1.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.4" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160	2688 × 1520	3200 × 1800	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on
WDR	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm
FOV	2.8 mm, horizontal FOV 110°, vertical FOV 57°, diagonal FOV 134° 4 mm, horizontal FOV 88°, vertical FOV 50°, diagonal FOV 100° 6 mm, horizontal FOV 60°, vertical FOV 34°, diagonal FOV 68°	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 64°	2.8 mm: horizontal FOV 104°, vertical FOV 54°, diagonal FOV 127° 4 mm: horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96° 6 mm: horizontal FOV 50°, vertical FOV 26°, diagonal FOV 54°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60°
Supplement Light Range	Up to 40 m	40m	40m	40m
VCA	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Support alarm triggered by specified target types (human and vehicle)	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4
Protection Level	IK10 ; IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	512 GB	512 GB	256 GB
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)
Power Supply	12 VDC, max. 100 mA (supported by all power supply types)	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA

Model	DS-2CD334662-ISU/SL(H)	DS-2CD354662-IS(H)	DS-2CD356662-IS(H)	DS-2CD358662-IS(H)
Image				
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.4" Progressive Scan CMOS	1/1.8 Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520	3200 × 1800	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON),B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON),B/W: 0 Lux with IR	0.003 Lux @ (F1.6, AGC ON),B/W: 0 Lux with IR	0.003 Lux @ (F1.6, AGC ON),B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm
FOV	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 64°	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99°	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127° 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96°	2.8 mm, horizontal FOV 110.0°, vertical FOV 56.7°, diagonal FOV 134.1° 4 mm, horizontal FOV 88.0°, vertical FOV 49.9°, diagonal FOV 100.4°
Supplement Light Range	40m	Up to 30 m	Up to 30 m	Up to 30 m
VCA	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, unattended baggage detection, object removal detection
Frame Rate	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4
Protection Level	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	512 GB	512 GB	512 GB
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	Visual alarm, 1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)
Power Supply	12 VDC ± 25%, 0.66 A, max. 8 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 9.5 W	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA






Model	DS-2CD3T4662-4IS(Y)(H)	DS-2CD3T4662-ISU/SL	DS-2CD3T6662-4IS(H)	DS-2CD3T8662-4IS(Y)(H)
Image				
Image Sensor	1/3 Progressive Scan CMOS	1/3 Progressive Scan CMOS	1/2.4 Progressive Scan CMOS	1/1.8 Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520	3200 × 1800	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm, 12 mm
FOV	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 62°	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 64°	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127° 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96° 6 mm, horizontal FOV 51°, vertical FOV 26°, diagonal FOV 59°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60° 12 mm, horizontal FOV 24°, vertical FOV 14°, diagonal FOV 27°
Supplement Light Range	Up to 90 m	Up to 60 m	Up to 90 m	Up to 90 m
VCA	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, unattended baggage detection, object removal detection
Frame Rate	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4
Protection Level	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	512 GB	512 GB	512 GB
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 2.2 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	Visual alarm, 2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power Supply	12 VDC, max. 100 mA (supported by all power supply types)	12 VDC ± 25%, 0.95 A, max. 11.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 13.5 W	12 VDC, max. 100 mA	12 VDC, max. 100 mA

Model	DS-2CD3646G2-IZS(H)	DS-2CD3646G2T-IZS(Y)(H)	DS-2CD3666G2-IZS(H)	DS-2CD3666G2T-IZS(Y)(H)	DS-2CD3686G2-IZS(H)
Image					
Image Sensor	1/3 Progressive Scan CMOS	1/3 Progressive Scan CMOS	1/2.4 Progressive Scan CMOS	1/2.4 Progressive Scan CMOS	1/1.8 Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520	3200 × 1800	3200 × 1800	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm
FOV	2.7 to 13.5 mm: horizontal FOV 107.6° to 32.9°, vertical FOV 56° to 18.5°, diagonal FOV 130.9° to 37.8° 7 to 35 mm: horizontal FOV 28.7° to 10.5°, vertical FOV 16° to 6°, diagonal FOV 33.1° to 12.1	2.7 to 13.5 mm: horizontal FOV 107.6° to 32.9°, vertical FOV 56° to 18.5°, diagonal FOV 130.9° to 37.8° 7 to 35 mm: horizontal FOV 28.7° to 10.5°, vertical FOV 16° to 6°, diagonal FOV 33.1° to 12.1	2.7 to 13.5 mm: horizontal FOV 106° to 35.6°, vertical FOV 55.9° to 20°, diagonal FOV 127.4° to 40.8° 7 to 35 mm: horizontal FOV 34.4° to 12.5°, vertical FOV 19° to 7.1°, diagonal FOV 39.8° to 14.3	2.7 to 13.5 mm: horizontal FOV 106° to 35.6°, vertical FOV 55.9° to 20°, diagonal FOV 127.4° to 40.8° 7 to 35 mm: horizontal FOV 34.4° to 12.5°, vertical FOV 19° to 7.1°, diagonal FOV 39.8° to 14.3°	2.7 to 13.5 mm: horizontal FOV 108° to 46°, vertical FOV 58° to 26°, diagonal FOV 127° to 52° 7 to 35 mm: horizontal FOV 42° to 15°, vertical FOV 23° to 9°, diagonal FOV 49° to 17°
Supplement Light Range	2.7 to 13.5 mm: up to 60 m; 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m; 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m; 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m; 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m; 7 to 35 mm: up to 80 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection
Frame Rate	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4
Protection Level	IP67;IK10	IP67;IK10	IP67;IK10	IP67;IK10	IP67;IK10
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	512 GB	512 GB	512 GB	512 GB
Audio I/O	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)
Power Supply	12 VDC ± 25%, 1.08 A, max. 13 W, two-core terminal block, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 15 W	12 VDC, max. 100 mA	12 VDC ± 25%, 1.08 A, max. 13 W, two-core terminal block, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 15 W	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 15 W	12 VDC ± 25%, 1.08 A, max. 13 W, two-core terminal block, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 15 W

Model	DS-2CD3686G2T-IZS(Y)(H)	DS-2CD3A26G2T-IZS NEW	DS-2CD3746G2T-IZS(H)	DS-2CD3746G2T-IZS(Y)(H)	DS-2CD3766G2T-IZS(H)
Image					
Image Sensor	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.4" Progressive Scan CMOS
Max. Resolution	3840 × 2160	1920 × 1080	2688 × 1520	2688 × 1520	3200 × 1800
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.7 to 13.5 mm 7 to 35 mm	4.7 to 71 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm
FOV	2.7 to 13.5 mm: horizontal FOV 108° to 46°, vertical FOV 58° to 26°, diagonal FOV 127° to 52°; 7 to 35 mm: horizontal FOV 42° to 15°, vertical FOV 23° to 9°, diagonal FOV 49° to 17°	horizontal FOV: 57.7° to 3.66°, vertical FOV: 33.2° to 2.75°, diagonal FOV: 65.2° to 4.58°	2.7 to 13.5 mm: horizontal FOV 107.6° to 32.9°, vertical FOV 56° to 18.5°, diagonal FOV 130.9° to 37.8° 7 to 35 mm: horizontal FOV 28.7° to 10.5°, vertical FOV 16° to 6°, diagonal FOV 33.1° to 12.1°	2.7 to 13.5 mm: horizontal FOV 107.6° to 32.9°, vertical FOV 56° to 18.5°, diagonal FOV 130.9° to 37.8° 7 to 35 mm: horizontal FOV 28.7° to 10.5°, vertical FOV 16° to 6°, diagonal FOV 33.1° to 12.1°	2.7 to 13.5 mm: horizontal FOV 106° to 35.6°, vertical FOV 55.9° to 20°, diagonal FOV 127.4° to 40.8° 7 to 35 mm: horizontal FOV 34.4° to 12.5°, vertical FOV 19° to 7.1°, diagonal FOV 39.8° to 14.3°
Supplement Light Range	2.7 to 13.5 mm: up to 60 m; 7 to 35 mm: up to 80 m	Up to 150 m	2.7 to 13.5 mm: up to 40 m; 7 to 35 mm: up to 50 m	2.7 to 13.5 mm: up to 40 m; 7 to 35 mm: up to 50 m	2.7 to 13.5 mm: up to 40 m; 7 to 35 mm: up to 50 m
VCA	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection
Frame Rate	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: up to 50 fps (1920 × 1080, 1280 × 720) 60 Hz: up to 60 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4
Protection Level	IP67;IK10	IP67;IK10	IP67;IK10	IP67;IK10	IP67;IK10
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	256 GB	512 GB	512 GB	512 GB
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 in, 1 out	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	3 inputs, 3 outputs (max. 24 VDC/24 VAC, 1 A)	2 in, 2 out	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)
Power Supply	12 VDC, max. 100 mA (supported by all power supply types)	12 VDC ± 25%, 0.8 A, max. 10.8 W, 24 VAC ± 20%, 0.75 A, max. 10.8 W, PoE: 802.3af, Class 3, 36 V to 57 V, 0.36 A to 0.23 A, max. 12.9 W	12 VDC ± 25%, 1.25 A, max. 15 W, two-core terminal block, PoE: IEEE 802.3at, Class 4, max. 18 W	12 VDC, max. 100 mA	12 VDC ± 25%, 1.25 A, max. 15 W, two-core terminal block, PoE: IEEE 802.3at, Class 4, max. 18 W

Model	DS-2CD3766G2T-IZS(Y)(H)	DS-2CD3786G2-IZS(H)	DS-2CD3786G2T-IZS(Y)(H)	DS-2CD384360-AP
Image				
Image Sensor	1/2.4" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Max. Resolution	3200 × 1800	3840 × 2160	3840 × 2160	2560 × 1440
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.005 Lux @ (F1.6, AGC ON)
WDR	120 dB	120 dB	120 dB	120 dB
Lens	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm	Without lens
FOV	2.7 to 13.5 mm: horizontal FOV 106° to 35.6°, vertical FOV 55.9° to 20°, diagonal FOV 127.4° to 40.8° 7 to 35 mm: horizontal FOV 34.4° to 12.5°, vertical FOV 19° to 7.1°, diagonal FOV 39.8° to 14.3°	2.7 to 13.5 mm: horizontal FOV 108° to 46°, vertical FOV 58° to 26°, diagonal FOV 127° to 52° 7 to 35 mm: horizontal FOV 42° to 15°, vertical FOV 23° to 9°, diagonal FOV 49° to 17°	2.7 to 13.5 mm: horizontal FOV 108° to 46°, vertical FOV 58° to 26°, diagonal FOV 127° to 52° 7 to 35 mm: horizontal FOV 42° to 15°, vertical FOV 23° to 9°, diagonal FOV 49° to 17°	-
Supplement Light Range	2.7 to 13.5 mm: up to 40 m; 7 to 35 mm: up to 50 m	2.7 to 13.5 mm: up to 40 m; 7 to 35 mm: up to 50 m	2.7 to 13.5 mm: up to 40 m; 7 to 35 mm: up to 50 m	-
VCA	Face Capture, People Counting, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440) 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440) 30 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	3
Protection Level	IP67, IK10	IP67, IK10	IP67, IK10	-
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	-
Operating Temperature	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less
Local Storage	512 GB	512 GB	512 GB	256 GB
Audio I/O	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 in, 1 out, Built-in microphone Built-in speaker
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)	1 in, 1 out
Power Supply	12 VDC, max. 100 mA	12 VDC ± 25%, 0.9 A, max. 10.8 W, two-core terminal block, PoE: IEEE 802.3af, Class 3, max. 12.9 W	12 VDC, max. 100 mA	12 VDC ± 25%, 0.58 A, max. 7 W, two-core terminal block, reverse polarity protection; 24 VAC ± 20%, 0.49 A, max. 7 W, two-core terminal block PoE: 802.3af, 36 V to 57 V, 0.22 A to 0.14 A, max. 8 W

Model	DS-2CD302362-IU	DS-2CD304362-IU	DS-2CD306362-IU	DS-2CD312362-I(S)U	DS-2CD314362-I(S)U	DS-2CD316362-I(U)	
Image							
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	
Max. Resolution	1920 × 1080	2688 × 1520	3200 × 1800	1920 × 1080	2688 × 1520	3200 × 1080	
Video Compression	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG	H.265 / H.264 / MJPEG / H.264+ / H.265+	
Min. Illumination	0.005 Lux @ (F1.6, AGC ON)	0.005 Lux @ (F1.6, AGC ON)	0.005 Lux @ (F1.6, AGC ON)	0.005 Lux @ (F1.6, AGC ON)	0.005 Lux @ (F1.6, AGC ON)	Color: 0.005 lux @(F1.6, AGC ON), B/W: 0 lux with IR	
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB	
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	
FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°
Supplement Light Range	40 m	40 m	40 m	40 m	40 m	40 m	
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	
Multi-Streaming	3	3	3	3	3	3	
Protection Level	IP67	IP67	IP67	IP67,IK10	IP67,IK10	IP67	
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less	
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB	
Audio I/O	-	-	-	With -S model: 1 in, 1 out	With -S model: 1 in, 1 out	1 Built-in Microphone -S: 1 in, 1 out	
Alarm I/O	-	-	-	With -S model: 1 in, 1 out	With -S model: 1 in, 1 out	S: 1 in, 1 out	
Power Supply	12 VDC ± 25%, 6W PoE(802.3af, class 3), 7 W	12 VDC ± 25%, 6W PoE(802.3af, class 3), 7 W	12 VDC ± 25%, 6W PoE(802.3af, class 3), 7.2 W	12 VDC ± 25%, 5W PoE(802.3af, class 3), 6.5 W	Without -S model: 12 VDC ± 25%, 5W PoE(802.3af, class 3), 6.5 W With -S model: 12 VDC ± 25%, 5.5W PoE(802.3af, class 3), 6.5 W	12 VDC ± 25%, 6W PoE (802.3af, 36V to 57V), 7.5W	


Model	DS-2CD332362-IU	DS-2CD334362-IU	DS-2CD336362-IU	DS-2CD352362-IS	DS-2CD354362-IS	DS-2CD356362-IS
Image						
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3200 × 1080	1920 × 1080	2688 × 1520	3200 × 1800
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG
Min. Illumination	Color: 0.005 lux @(F1.6, AGC ON), B/W: 0 lux with IR	Color: 0.005 lux @(F1.6, AGC ON), B/W: 0 lux with IR	Color: 0.005 lux @(F1.6, AGC ON), B/W: 0 lux with IR	Color: 0.005 lux @(F1.6, AGC ON), B/W: 0 lux with IR	Color: 0.005 Lux @(F1.6, AGC ON), B/ W: 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON), B/ W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm
FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 108.8°, vertical FOV 57.7°, diagonal FOV 129.4° 4 mm, horizontal FOV 87.6°, vertical FOV 44.4°, diagonal FOV 104.9°	2.8 mm, horizontal FOV 104.3°, vertical FOV 55.9°, diagonal FOV 123.8° 4 mm, horizontal FOV 83.7°, vertical FOV 43.0°, diagonal FOV 100.3°	2.8 mm, horizontal FOV 108.8°, vertical FOV 57.7°, diagonal FOV 129.4° 4 mm, horizontal FOV 87.6°, vertical FOV 44.4°, diagonal FOV 104.9°
Supplement Light Range	40 m	40 m	40 m	30 m	30 m	30 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3	3
Protection Level	IP67	IP67	IP67	IP67	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 Built-in microphone	1 Built-in microphone	1 Built-in microphone	1 Built-in Microphone -IS: 1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	—	—	—	IS: 1 in, 1 out	1 in, 1 out	1 in, 1 out
Power Supply	12 VDC ± 25%, 5.5W PoE (802.3af, 36V to 57V), 6.5W	12 VDC ± 25%, 6W PoE (802.3af, 36V to 57V), 7W	12 VDC ± 25%, 6W PoE (802.3af, 36V to 57V), 7.5W	12 VDC ± 25%, 5.5W PoE (802.3af, 36V to 57V), 6.5W	12 VDC ± 25%, 0.45 A, max. 5.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.18 A to 0.11 A, max. 6.5 W	12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.19 A to 0.12 A, max. 7 W





Model	DS-2CD3T2362-2IS/4IS	DS-2CD3T4362-2IS/4IS	DS-2CD3T6362-2IS/4IS	DS-2CD362362-IZS	DS-2CD364362-IZS	DS-2CD366362-IZS	
Image							
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	
Max. Resolution	1920 × 1080	2688 × 1520	3200 × 1800	1920 × 1080	2688 × 1520	3200 × 1800	
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB	
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.7 to 13.5 mm	2.7 to 13.5 mm	2.7 to 13.5 mm	
FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	horizontal FOV 107° to 32°, vertical FOV 56° to 18°, diagonal FOV 128° to 37°	horizontal FOV 102° to 31°, vertical FOV 55° to 18°, diagonal FOV 122° to 36°	2.7 to 13.5 mm, horizontal FOV 107° to 32°, vertical FOV 56° to 18°, diagonal FOV 128° to 37°	2.7 to 13.5 mm, horizontal FOV 107° to 32°, vertical FOV 56° to 18°, diagonal FOV 128° to 37°
Supplement Light Range	2l: up to 60 m 4l: up to 90 m	2l: up to 60 m 4l: up to 90 m	2l: up to 60 m 4l: up to 90 m	60 m	60 m	60 m	
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	
Multi-Streaming	3	3	3	3	3	3	
Protection Level	IP67	IP67	IP67	IP67, IK10	IP67, IK10	IP67, IK10	
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	
Operating Temperature	-30 °C to 60 °C [-22 °F to 140 °F]. Humidity 95% or less (non-condensing)	-30 °C to 60 °C [-22 °F to 140 °F]. Humidity 95% or less (non-condensing)	-30 °C to 60 °C [-22 °F to 140 °F]. Humidity 95% or less (non-condensing)	-30 °C to 60 °C [-22 °F to 140 °F]. Humidity 95% or less (non-condensing)	-30 °C to 60 °C [-22 °F to 140 °F]. Humidity 95% or less (non-condensing)	-30 °C to 60 °C [-22 °F to 140 °F]. Humidity 95% or less (non-condensing)	
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less	
Local Storage	With -SF 256GB	With -SF 256GB	With -SF 256GB	With -SF 256GB	With -SF 256GB	With -SF 256GB	
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	
Power Supply	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W




Model	DS-2CD372362-IZS	DS-2CD374362-IZS	DS-2CD376362-IZS	DS-2CD302162E-I	DS-2CD302162-IUF
Image					
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3200×1800	1920 × 1080	1920 × 1080
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON) 0 Lux with IR
WDR	120 dB	120 Db	120 dB	Digital WDR	120 dB
Lens	2.7 to 13.5 mm	2.7 to 13.5 mm	2.7 to 13.5 mm	2.8mm, 4 mm	2.8, 4 or 6 mm
FOV	horizontal FOV 107° to 32°, vertical FOV 56° to 18°, diagonal FOV 128° to 37°	horizontal FOV 102° to 31°, vertical FOV 55° to 18°, diagonal FOV 122° to 36°	2.7 to 13.5 mm, horizontal FOV 107° to 32°, vertical FOV 55° to 18°, diagonal FOV 128° to 37°	2.8 mm, horizontal FOV 104.9°, vertical FOV 58.3°, diagonal FOV 123.3° 4 mm, horizontal FOV 81.3°, vertical FOV 43.7°, diagonal FOV 96.9°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100° 6 mm, horizontal FOV 49°, vertical FOV 36°, diagonal FOV 63°
Supplement Light Range	40 m	40 m	40m	40m	40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	2	3
Protection Level	IP67, IK10	IP67, IK10	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C [-22 °F to 140 °F]. Humidity 95% or less (non-condensing)	-30 °C to 60 °C [-22 °F to 140 °F]. Humidity 95% or less (non-condensing)	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	With -SF 256GB	With -SF 256GB	256GB	-	With -UF 256GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	-	N/A
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	-	N/A
Power Supply	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W	PoE:12 VDC	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W

Model	DS-2CD304162E-I	DS-2CD304162-IUF	DS-2CD312162E-I	DS-2CD312162-ISF	DS-2CD314162E-I
Image					
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440	2560 × 1440	1920 × 1080	1920 × 1080	2560 × 1440
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8mm, 4 mm	2.8mm, 4 mm, 6mm	2.8 mm, 4 mm	2.8mm, 4 mm	2.8mm, 4 mm
FOV	2.8 mm, horizontal FOV 99.5°, vertical FOV 55.5°, diagonal FOV 116.1° 4 mm, horizontal FOV 76.8°, vertical FOV 41.5°, diagonal FOV 90.8°	2.8 mm, horizontal FOV 98.2°, vertical FOV 54.2°, diagonal FOV 114.6° 4 mm, horizontal FOV 78.8°, vertical FOV 42.3°, diagonal FOV 93.4° 6 mm, horizontal FOV 49.1°, vertical FOV 26.3°, diagonal FOV 57.2°	2.8 mm, horizontal FOV 111.6°, vertical FOV 59.3°, diagonal FOV 133.9° 4 mm, horizontal FOV 91.5°, vertical FOV 46.1°, diagonal FOV 109.8°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109°	2.8 mm, horizontal FOV 99.5°, vertical FOV 55.5°, diagonal FOV 116.1° 4 mm, horizontal FOV 76.8°, vertical FOV 41.5°, diagonal FOV 90.8°
Supplement Light Range	40m	40m	40 m	40m	40m
VCA	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection
Frame Rate	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	€3.00	€3.00	3	€3.00	€3.00
Protection Level	IP67	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	-	256 GB	256 GB	256 GB	-
Audio I/O	-	-	N/A	-S: 1 input(s) (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, -S: 1 output(s) (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	-
Alarm I/O	-	-	N/A	-S: 1 input, 1 output (max. 12 VDC, 30 mA)	-
Power Supply	PoE; 12 VDC	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	PoE; 12 VDC

Model	DS-2CD314162-ISF	DS-2CD332162E-I	DS-2CD334162E-I	DS-2CD332162-IUF	DS-2CD334162-IUF
Image					
Image Sensor	1/3" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440	1920 × 1080	2560 × 1440	1920 × 1080	2560 × 1440
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR	0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	120 dB	Digital WDR	120 dB	120 dB	120 dB
Lens	2.8mm, 4 mm	2.8mm, 4 mm	2.8mm, 4 mm	2.8mm, 4 mm	2.8mm, 4 mm
FOV	2.8 mm, horizontal FOV 98.2°, vertical FOV 54.2°, diagonal FOV 114.6° 4 mm, horizontal FOV 78.8°, vertical FOV 42.3°, diagonal FOV 93.4°	2.8 mm, horizontal FOV 104.9°, vertical FOV 58.3°, diagonal FOV 123.3° 4 mm, horizontal FOV 81.3°, vertical FOV 43.7°, diagonal FOV 96.9°	2.8 mm, horizontal FOV 99.5°, vertical FOV 55.5°, diagonal FOV 116.1° 4 mm, horizontal FOV 76.8°, vertical FOV 41.5°, diagonal FOV 90.8°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109°	2.8 mm, horizontal FOV 98.2°, vertical FOV 54.2°, diagonal FOV 114.6° 4 mm, horizontal FOV 78.8°, vertical FOV 42.3°, diagonal FOV 93.4°
Supplement Light Range	40m	40m	40m	40m	40m
VCA	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection
Frame Rate	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	€3.00	€2.00	€3.00	€3.00	€3.00
Protection Level	IP67	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	-	-	256 GB	256 GB
Audio I/O	-S: 1 input(s) (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, -S: 1 output(s) (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	-	-	-	-
Alarm I/O	-S: 1 input, 1 output (max. 12 VDC, 30 mA)	-	-	-	-
Power Supply	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	PoE: 12 VDC	PoE: 12 VDC	PoE: 12 VDC	PoE: 12 VDC

Model	DS-2CD3621G2-IZS	DS-2CD3641G2-IZS	DS-2CD3721G2-IZS	DS-2CD3741G2-IZS
Image				
Image Sensor	1/2.8 Progressive Scan CMOS	1/3 Progressive Scan CMOS	1/2.8 Progressive Scan CMOS	1/3 Progressive Scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	1920 × 1080	2560 × 1440
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Lens	2.7 to 13.5 mm	2.7 to 13.5 mm	2.7 to 13.5 mm	2.7 to 13.5 mm
FOV	2.7 to 13.5 mm, horizontal FOV 111.5° to 33.4°, vertical FOV 58.4° to 18.8°, diagonal FOV 134.3° to 38.3°;	2.7 to 13.5 mm, horizontal FOV 96.7° to 29.7°, vertical FOV 51.7° to 16.7°, diagonal FOV 114.3° to 34.0°	2.7 to 13.5 mm, horizontal FOV 111.5° to 33.4°, vertical FOV 58.4° to 18.8°, diagonal FOV 134.3° to 38.3°	2.7 to 13.5 mm, horizontal FOV 96.7° to 29.7°, vertical FOV 51.7° to 16.7°, diagonal FOV 114.3° to 34.0°
Supplement Light Range	60 m	60 m	40m	40m
VCA	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	€3.00	€3.00	€3.00	€3.00
Protection Level	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)	1 input, 1 output (max. 12 VDC, 30 mA)
Power Supply	PoE;12 VDC	PoE;12 VDC	PoE;12 VDC	PoE;12 VDC

Model	DS-2CD3T2162-IUF	DS-2CD3T4162-IUF	DS-2CD302160-I(UF)	DS-2CD305160-I(UF)
Image				
Image Sensor	1/2.7 Progressive Scan CMOS	1/3 Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	1920 × 1080	2560 × 1920
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON) 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Lens	2.8mm, 4mm, 6mm	2.8mm, 4mm, 6mm	2.8, 4 or 6 mm	2.8, 4 or 6 mm
FOV	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109° 6 mm, horizontal FOV 56°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 98.2°, vertical FOV 54.2°, diagonal FOV 114.6° 4 mm, horizontal FOV 78.8°, vertical FOV 42.3°, diagonal FOV 93.4° 6 mm, horizontal FOV 49.1°, vertical FOV 26.3°, diagonal FOV 57.2°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109° 6 mm, horizontal FOV 56°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100° 6 mm, horizontal FOV 49°, vertical FOV 36°, diagonal FOV 63°
Supplement Light Range	60 m	60 m	40 m	40 m
VCA	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	€3.00	€3.00	3	3
Protection Level	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	With -UF 256GB	With -UF 256GB
Audio I/O	-	-	N/A	N/A
Alarm I/O	-	-	N/A	N/A
Power Supply	PoE: 12 VDC	PoE: 12 VDC	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W

Model	DS-2CD312160-I(SF)	DS-2CD315160-I(SF)	DS-2CD332160-IU(F)	DS-2CD335160-IU(F)	DS-2CD362160-I(ZS)
Image					
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2560 × 1920	1920 × 1080	2560 × 1920	1920 × 1080
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON) 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8, 4 or 6 mm	2.8, 4 or 6 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	Varifocal Lens, motorized lens, 2.7 to 13.5 mm
FOV	2.8 mm, horizontal FOV 111.6°, vertical FOV 59.3°, diagonal FOV 133.9° 4 mm, horizontal FOV 91.5°, vertical FOV 46.1°, diagonal FOV 109.8° 6 mm, horizontal FOV 56°, vertical FOV 29.8°, diagonal FOV 65.3°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100° 6 mm, horizontal FOV 49°, vertical FOV 36°, diagonal FOV 63°	2.8 mm, horizontal FOV 111.6°, vertical FOV 59.3°, diagonal FOV 133.9° 4 mm, horizontal FOV 91.5°, vertical FOV 46.1°, diagonal FOV 109.8°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100°	2.7 to 13.5 mm: horizontal FOV 94° to 36°, vertical FOV 50° to 20°, diagonal FOV 109° to 41°
Max. IR Range	40 m	40 m	40 m	40 m	60 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3
Protection Level	IP67, IK10	IP67, IK10	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	With -SF 256GB	With -SF 256GB	256 GB	256 GB	256 GB
Audio I/O	With -SF model: 1 in, 1 out	With -SF model: 1 in, 1 out	N/A	N/A	1 in, 1 out
Alarm I/O	With -SF model: 1 in, 1 out	With -SF model: 1 in, 1 out	N/A	N/A	1 in, 1 out
Power Supply	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W

Model	DS-2CD365160-IZS	DS-2CD372160-IZS	DS-2CD375160-IZS	DS-2CD3T2160-IUF	DS-2CD3T5160-IUF
Image					
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	2560 × 1920	1920 × 1080	2560 × 1920	1920 × 1080	2560 × 1920
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	Varifocal Lens, motorized lens, 2.7 to 13.5 mm	Varifocal Lens, motorized lens, 2.7 to 13.5 mm	Varifocal Lens, motorized lens, 2.7 to 13.5 mm	2.8 mm, 4 mm, 6mm	2.8 mm, 4 mm, 6mm
FOV	2.7 to 13.5 mm: horizontal FOV 97° to 30°, vertical FOV 70° to 22°, diagonal FOV 128° to 37°	2.7 to 13.5 mm: horizontal FOV 98° to 38°, vertical FOV 52° to 21°, diagonal FOV 115° to 43°	2.7 to 13.5 mm: horizontal FOV 96° to 29°, vertical FOV 69° to 22°, diagonal FOV 131° to 37°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109° 6 mm, horizontal FOV 56°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100° 6 mm, horizontal FOV 49°, vertical FOV 36°, diagonal FOV 63°
Max. IR Range	60 m	40 m	40 m	60 m	60 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3
Protection Level	IP67	IP67, IK10	IP67, IK10	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	N/A	N/A
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	N/A	N/A
Power Supply	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.8 A, max. 10 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.33 A to 0.21 A, max. 12 W	12 VDC ± 25%, 0.8 A, max. 10 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.33 A to 0.21 A, max. 12 W	12 VDC ± 25%, 0.55 A, max. 6.5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.24 A to 0.14 A, max. 8.5 W	12 VDC ± 25%, 0.55 A, max. 6.5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.24 A to 0.14 A, max. 8.5 W

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- > 3D binocular stereo vision
- > Deep-learning people counting



Model	DS-2CD642561-10	DS-2CD642561-20	DS-2CD642561-30	DS-2CD644561-30	DS-2CD2D2561-D/NF	DS-2CD2D2561/M-D/NF
€45,064.00					 Dual-lens	
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	1920 × 1080	2560 × 1440	1920 × 1080	1920 × 1080
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON)
WDR	120 dB	120 dB	120 dB	120 Db	120 dB	120 dB
Lens	3.7 mm	2.8 or 3.7 mm	2.8 or 4.0 mm	-	2.8 mm: F2.5 3.7 mm: F2.5	2.8 mm: F2.0 4 mm: F2.0
FOV	3.7mm:horizontal FOV 75.5°	2.8mm:horizontal FOV 93.9° 3.7mm:horizontal FOV 75.5°	2.8mm:horizontal FOV 107.8° 4.0mm:horizontal FOV 82.8°	2.8 mm: horizontal FOV: 98°, vertical FOV: 53°, diagonal FOV: 115° 4 mm: horizontal FOV: 75°, vertical FOV: 41.5°, diagonal FOV: 88°	2.8 mm: horizontal FOV: 93.9°, vertical FOV: 51.7°, diagonal FOV: 109.3° 3.7 mm: horizontal FOV: 75.5°, vertical FOV: 41.6°, diagonal FOV: 87.3°	2.8 mm: horizontal FOV: 107.8°, vertical FOV: 57.9°, diagonal FOV: 126.7° 4 mm: horizontal FOV: 82.8°, vertical FOV: 45.1°, diagonal FOV: 98°
Max. IR Range	-	-	-	-	-	-
VCA	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 50 fps (1920 × 1080, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 720)	Main Stream 50 Hz: 50 fps (1920 × 1080, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3	3
Protection Level	-	-	-	-	-	-
Angle Adjustment	-	-	-	-	-	-
Operating Temperature	-10 °C to +40 °C (14 °F to +104 °F)	-10 °C to +40 °C (14 °F to +104 °F)	-10 °C to +40 °C (14 °F to +104 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	5% - 95%	5% - 95%	5% - 95%	5% - 95%	≤ 95%	≤ 95%
Local Storage	128 GB	128 GB	128 GB	128 GB	N/A	N/A
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in	1 in
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	N/A	N/A
Installation	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Power Supply	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%	12 VDC ± 20%

Model	DS-2CD204561/M-D/NF	DS-2CD642562-C1	DS-2CD642562-C2	DS-2CD644562-C1/HDMI
€45,064.00				
Image Sensor	1/3" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	2560 × 1440	1920 × 1080	Channel 1: 1920 × 1080; Channel 2: 1920 × 1080	2688 × 1520
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264	Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264	Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)
WDR	120 dB	120 dB	120 dB	Digital WDR
Lens	2.8 mm: F2.0 4 mm: F2.0	F2.0	F2.0	F2.0
FOV	2.8 mm: horizontal FOV: 98°, vertical FOV: 53°, diagonal FOV: 115° 4 mm: horizontal FOV: 75°, vertical FOV: 41.5°, diagonal FOV: 88°	L10 model: 3.7 mm, horizontal FOV 77.5°, vertical FOV 39.4°, diagonal FOV 94.1° L20 model: 2.8 mm, horizontal FOV 93.8°, vertical FOV 51.7°, diagonal FOV 109.3° 3.7 mm, horizontal FOV 77.5°, vertical FOV 39.4°, diagonal FOV 94.1° L30 model: 2.8 mm, horizontal FOV 109.0°, vertical FOV 60.0°, diagonal FOV 128.3° 4 mm, horizontal FOV 82.8°, vertical FOV 45.1°, diagonal FOV 98°	L10 model: 3.7 mm, horizontal FOV 77.5°, vertical FOV 39.4°, diagonal FOV 94.1° L20 model: 2.8 mm, horizontal FOV 93.8°, vertical FOV 51.7°, diagonal FOV 109.3° 3.7 mm, horizontal FOV 77.5°, vertical FOV 39.4°, diagonal FOV 94.1° L30 model: 2.8 mm, horizontal FOV 109.0°, vertical FOV 60.0°, diagonal FOV 128.3° 4 mm, horizontal FOV 82.8°, vertical FOV 45.1°, diagonal FOV 98°	L30 model: 2 mm, horizontal FOV 128°, vertical FOV 75°, diagonal FOV 147° 2.8 mm, horizontal FOV 104.8°, vertical FOV 58.2°, diagonal FOV 123° 4 mm, horizontal FOV 79.6°, vertical FOV 43.7°, diagonal FOV 93.8°
Max. IR Range	-	-	-	-
VCA	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), audio exception detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), audio exception detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), audio exception detection
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3
Protection Level	-	-	-	-
Angle Adjustment	-	-	-	-
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to 55 °C (-22 °F to 131 °F)	-30 °C to 50 °C (-22 °F to 122 °F)	-30 °C to 55 °C [-22 °F to 131 °F]
Operating Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	N/A	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Audio I/O	1 in	1 input (line in), 1 output (line out)	1 input (line in), 1 output (line out)	1 input (line in), 1 output (line out)
Alarm I/O	N/A	2 inputs, 1 output (max. 12 VDC, 30 mA)	2 inputs, 1 output (max. 12 VDC, 30 mA)	2 inputs, 1 output (max. 12 VDC, 30 mA)
Installation	Indoor	Indoor	Indoor	Indoor
Power Supply	12 VDC ± 20%	12 VDC ± 20%, 0.53 A, max. 6.4 W, PoE: IEEE 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.13 A, max. 7.4 W	12 VDC ± 20%, 0.53 A, max. 6.4 W, PoE: IEEE 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.13 A, max. 7.4 W	12 VDC ± 20%, 0.53 A, max. 6.4 W, PoE: IEEE 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.13 A, max. 7.4 W

Model	DS-2CD6425G1-L10	DS-2CD6425G1-L20	DS-2CD6425G1-L30	DS-2CD6445G1-L30
€45,064.00				
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	1920 × 1080	2688 × 1520
Video Compression	-	-	-	-
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)
WDR	120 dB	120 dB	120 dB	Digital WDR
Lens	F2.0	F2.0	F2.0	F2.0
FOV	L10 model: 3.7 mm, horizontal FOV 77.5°, vertical FOV 39.4°, diagonal FOV 94.1°	L20 model: 2.8 mm, horizontal FOV 93.8°, vertical FOV 51.7°, diagonal FOV 109.3° 3.7 mm, horizontal FOV 77.5°, vertical FOV 39.4°, diagonal FOV 94.1°	L30 model: 2.8 mm, horizontal FOV 109.0°, vertical FOV 60.0°, diagonal FOV 128.3° 4 mm, horizontal FOV 82.8°, vertical FOV 45.1°, diagonal FOV 98°	L30 model: 2 mm, horizontal FOV 128°, vertical FOV 75°, diagonal FOV 147° 2.8 mm, horizontal FOV 104.8°, vertical FOV 58.2°, diagonal FOV 123° 4 mm, horizontal FOV 79.6°, vertical FOV 43.7°, diagonal FOV 93.8°
Max. IR Range	-	-	-	-
VCA	-	-	-	-
Frame Rate	-	-	-	-
Multi-Streaming	-	-	-	-
Protection Level	-	-	-	-
Angle Adjustment	-	-	-	-
Operating Temperature	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]
Operating Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	-	-	-	-
Audio I/O	-	-	-	-
Alarm I/O	-	-	-	-
Installation	Indoor	Indoor	Indoor	Indoor
Power Supply	-	-	-	-

Model	DS-2CD682560/C-IS	DS-2CD682560/C-IVS
Image	 	 
Image Sensor	1/1.2.7" Progressive Scan CMOS	1/1.2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+ /H.264 Sub stream: H.265/H.264/MJPEG	Main stream: H.265+ /H.265/H.264+ /H.264 Sub stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), 0.0176 Lux @ (F2.25, AGC ON) B/W: 0.001 Lux @ (F1.2, AGC ON), 0.0035 Lux @ (F2.2.5, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON), 0.0176 Lux @ (F2.25, AGC ON) B/W: 0.001 Lux @ (F1.2, AGC ON), 0.0035 Lux @ (F2.2.5, AGC ON)
WDR	Digital WDR	Digital WDR
Lens	2 mm	2 mm
FOV	Horizontal FOV 104.5°, vertical FOV 70.5°, diagonal FOV 112°	Horizontal FOV 104.5°, vertical FOV 70.5°, diagonal FOV 112°
Max. IR Range	6 m	6 m
VCA	Counts people entering and exiting separately Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports target filtering by height	Counts people entering and exiting separately Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports target filtering by height
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 720)
Streams	2	2
Protection Level	-	IP67
Angle Adjustment	-	-
Operating Temperature	-30 °C to +45 °C (-22 °F to +113 °F)	-30 °C to +45 °C (-22 °F to +113 °F),
Humidity	95% or less (non-condensing)	95% or less (non-condensing)
Local Storage	-	-
Indoor/Outdoor	Indoor	Outdoor
Audio I/O	1 built-in mic -S: 1 input (line in, two-core terminal block), 1 output (two-core terminal block), mono sound	1 built-in mic -S: 1 input (line in, two-core terminal block), 1 output (two-core terminal block), mono sound
Alarm I/O	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)
Power	12 VDC±20%, reverse polarity protection, Ø5.5mm coaxial power plug 12 VDC, PoE (36 to 57 VDC, 802.3af), Class3	12 VDC±20%, reverse polarity protection, Ø5.5mm coaxial power plug 12 VDC, PoE (36 to 57 VDC, 802.3af), Class3


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Solar-powered Security Camera

Model	DS-2XS6A4761-LS/C36S80	DS-2XS6A8761-LS/C36S80	DS-2XS6A4661-IZS/C36S80	DS-2XS6A4661/P-IZS/C36S80
Image				
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.2" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440	3840 × 2160	2560 × 1440	2560 × 1440
Video Compression	Main stream: H.264/H.265 Sub-stream: H.264/H.265/MJPEG Third Stream: H.265/H.264 *Performance mode: main stream supports H.264+, H.265+	Main stream: H.265 Sub-stream: H.264/H.265/MJPEG Third Stream: H.265/H.264 *Performance mode: main stream supports H.265+	Main stream: H.264/H.265 Sub-stream: H.264/H.265/MJPEG Third Stream: H.265/H.264 *Performance mode: main stream supports H.264+, H.265+	Main stream: H.264/H.265 Sub-stream: H.264/H.265/MJPEG Third Stream: H.265/H.264 Performance mode: main stream supports H.264+, H.265+
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light
WDR	130 dB	130 dB	130 dB	130 dB
Lens	Fixed focal lens, 2.8 and 4 mm optional	Fixed focal lens, 2.8 and 4 mm optional	2.8 to 12 mm: F1.3, 8 to 32 mm:F1.7	2.8 to 12 mm: F1.3, 8 to 32 mm:F1.7
FOV	2.8 mm, horizontal FOV: 105.7°, vertical FOV: 57.3°, diagonal FOV: 124.9° 4 mm, horizontal FOV: 88.7°, vertical FOV: 44.7°, diagonal FOV: 107.5°	2.8 mm, horizontal FOV: 101.6°, vertical FOV: 52.4°, diagonal FOV: 124° 4 mm, horizontal FOV: 88.0°, vertical FOV: 47.0°, diagonal FOV: 104.3°	2.8 to 12 mm, horizontal FOV 107.4° to 39.8°, vertical FOV 56° to 22.4°, diagonal FOV 130.1° to 45.7° 8 to 32 mm, horizontal FOV 40.3° to 14.5°, vertical FOV 22.1° to 8.2°, diagonal FOV 46.9° to 16.5°	2.8 to 12 mm, horizontal FOV 107.4° to 39.8°, vertical FOV 56° to 22.4°, diagonal FOV 130.1° to 45.7° 8 to 32 mm, horizontal FOV 40.3° to 14.5°, vertical FOV 22.1° to 8.2°, diagonal FOV 46.9° to 16.5°
Max. IR Range	30 m	30 m	2.8-12mm: Up to 30 m 8-32mm: Up to 50 m	2.8-12mm: Up to 30 m 8-32mm: Up to 50 m
VCA	Line crossing detection, Intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, scene change detection, face detection *Smart events are only supported under performance mode.	Line crossing detection, Intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, scene change detection, face detection *Smart events are only supported under performance mode.	Line crossing detection, Intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, scene change detection, face detection *Smart events are only supported under performance mode.	ANPR
Frame Rate	50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 12.5 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3
Protection Level	IP67	IP67	IP67	IP67
Operating Temperature	Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)	Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)	Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)	Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)
Operating Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD card, up to 256 GB; Built-in 64 GB eMMC storage	Built-in memory card slot, support microSD card, up to 256 GB; Built-in 64 GB eMMC storage	Built-in memory card slot, support microSD card, up to 256 GB; Built-in 8GB eMMC storage	Built-in memory card slot, support microSD card, up to 256 GB; Built-in 8GB eMMC storage
Audio I/O	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	1 input(s), 1 output(s) (max. 12 VDC, 1 A)	1 input(s), 1 output(s) (max. 12 VDC, 1 A)	1 input(s), 1 output(s) (max. 12 VDC, 1 A)	1 input(s), 1 output(s) (max. 12 VDC, 1 A)
Installation	Outdoor	Outdoor	Outdoor	Outdoor
Power Supply	12 VDC ± 20%, 4-pin M8 waterproof connector 1. Standby power consumption: 53 mW 2. The average power consumption of 24 hours: 2 W (4G transmission is excluded). 3. The max. power consumption: 3.2 W	12 VDC ± 20%, 4-pin M8 waterproof connector 1. Standby power consumption: 53 mW 2. The average power consumption of 24 hours: 2 W (4G transmission is excluded). 3. The max. power consumption: 3.2 W	12 VDC ± 20%, 4-pin M8 waterproof connector 1. Standby power consumption: 53 mW 2. The average power consumption of 24 hours: 3 W (4G transmission is excluded). 3. The max. power consumption: 5 W	12 VDC ± 20%, 4-pin M8 waterproof connector 1. Standby power consumption: 53 mW 2. The average power consumption of 24 hours: 3 W (4G transmission is excluded). 3. The max. power consumption: 5 W

Model	DS-2XS6F4560-I(9)(C0)(C1)(C2)/46	DS-2XS6F4560-I(C0)(C1)
Image		
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520
Video Compression	Main stream: H.265, Sub-stream: H.265, H.264, MJPEG, Third stream: H.265, H.264	Main stream: H.265, Sub-stream: H.265, H.264, MJPEG, Third stream: H.265, H.264
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB
Lens	2.8 mm	2.8 mm
FOV	2.8 mm, horizontal FOV 102°, vertical FOV 55°, diagonal FOV 122°	2.8 mm, horizontal FOV 102°, vertical FOV 55°, diagonal FOV 122°
Max. IR Range	15 m	15 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Face detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Face detection
Frame Rate	50 Hz: 12.5 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 12.5 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3
Protection Level	IP66	IP66
Operating Temperature	C1/C2: -20 °C to 60°C [-4 °F to 140 °F] C0: -10 °C to 60 °C [-14 °F to 140 °F]	C1/C2: -20 °C to 60°C [-4 °F to 140 °F] C0: -10 °C to 60 °C [-14 °F to 140 °F]
Operating Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Audio I/O	-	-
Alarm I/O	-	-
Installation	outdoor	outdoor
Power Supply	6 to 15 VDC, 0.82 to 0.33 A, max. 4.9 W, C0: shrapnel, dry cell (10, 5AA dry cell, 1.5 V)	6 to 15 VDC, 0.82 to 0.33 A, max. 4.9 W, C0: shrapnel, dry cell (10, 5AA dry cell, 1.5 V)

PTZ Dome Camera

048 TandemVu PTZ Cameras

055 Ultra Series

065 Special Series





TandemVu PTZ Cameras





Big Picture and Details in One View





- > H.265+/H.265 codec
- > High-quality imaging with up to 6 MP resolution for panoramic channel and 4 MP for PTZ channel
- > ColorVu, DarkFighter, Powered by DarkFighter technologies
- > 180° image stitching (panoramic models only)
- > Smart linkage
- > Deep-learning-based target classification algorithm for Auto-Tracking 3.0 and perimeter protection
- > False alarm reduction through human and vehicle target classification based on AcuSense technology
- > Traffic management with vehicle attributes analysis, license plate recognition, and traffic violation detection
- > Image enhancement including rapid focus, P-Iris (recise Iris for best quality or best depth of field), 120 dB WDR, and IR
- > High zoom ratio & built-in gyroscope to improve EIS performance (GIS)
- > Supports IK10 & IP67, wiper
- > Supports Open Network Video Interface and ISAPI
- > Supports Hikvision SDK and third-party management platforms









Model	DS-2SE4C215MW6-E/26(F0)	DS-2SE4C225MW6-E/26(F0)	DS-2SE4C415MW6-E/26(F0)	DS-2SE4C425MW6-E/26(F0)
Image				
Image Sensor	[Bullet channel] 1/2.5" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS	[Bullet channel] 1/2.5" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS	[Bullet channel]: 1/2.5" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS	[Bullet channel]: 1/2.5" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS
Resolution	[Bullet channel] 3632 × 1632, [PTZ channel] 1920 × 1080	[Bullet channel] 3632 × 1632, [PTZ channel] 1920 × 1080	[Bullet channel] 3632 × 1632, [PTZ channel] 2560 × 1440	[Bullet channel] 3632 × 1632, [PTZ channel] 2560 × 1440
Video Compression	H.265/H265+, H.264/H264+, MJPEG	H.265/H265+, H.264/H264+, MJPEG	H.265/H265+, H.264/H264+, MJPEG	H.265/H265+, H.264/H264+, MJPEG
Lens	[Bullet channel]: 2.8 mm; [PTZ channel]: 5 to 75 mm, 15 × optical	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 72 mm, 15 × optical	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical
Angle of View	[Bullet channel]: Horizontal field of view: 180±10°, Vertical field of view: 80±5°; [PTZ channel]: Horizontal field of view: 54.8° to 4° (wide-tele), Vertical field of view: 31.4° to 2.3° (wide-tele), Diagonal field of view: 62.2° to 4.6° (wide-tele)	[Bullet channel]: Horizontal field of view: 180±10°, Vertical field of view: 80±5°; [PTZ channel]: Horizontal field of view: 54.8° to 2.8° (wide-tele), Vertical field of view: 31.4° to 1.5° (wide-tele), Diagonal field of view: 62.2° to 3.2° (wide-tele)	[Bullet channel]: Horizontal field of view: 180±10°, Vertical field of view: 80±5°; [PTZ channel]: Horizontal field of view: 55° to 4° (wide-tele), Vertical field of view: 33° to 2.2° (wide-tele), Diagonal field of view: 61.5° to 4.6° (wide-tele)	[Bullet channel]: Horizontal field of view: 180±10°, Vertical field of view: 80±5°; [PTZ channel]: Horizontal field of view: 55° to 2.4° (wide-tele), Vertical field of view: 33° to 1.4° (wide-tele), Diagonal field of view: 61.5° to 2.8° (wide-tele)
Min. Illumination	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON)	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON)	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON)	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON)
WDR	120 dB	120 dB	120 dB	120 dB
Max. IR Range	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m
VCA	Motion detection, video tampering alarm, exception, alarm input and output, audio exception detection, region exiting detection, region entrance detection, intrusion detection, Line crossing detection, Face Capture	Motion detection, video tampering alarm, exception, alarm input and output, audio exception detection, region exiting detection, region entrance detection, intrusion detection, Line crossing detection, Face Capture	Motion detection, video tampering alarm, exception, alarm input and output, audio exception detection, region exiting detection, region entrance detection, intrusion detection, Line crossing detection, Face Capture	Motion detection, video tampering alarm, exception, alarm input and output, audio exception detection, region exiting detection, region entrance detection, intrusion detection, Line crossing detection, Face Capture
Frame Rate	[Bullet channel] 50 Hz: 25 fps (3632 × 1632, 3680 × 1656), 60 Hz: 30 fps (3632 × 1632, 3680 × 1656), [PTZ channel] 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel] 50 Hz: 25 fps (3632 × 1632, 3680 × 1656), 60 Hz: 30 fps (3632 × 1632, 3680 × 1656), [PTZ channel] 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 721)	[Bullet channel] 50 Hz: 25 fps (3632 × 1632, 3680 × 1656) 60 Hz: 30 fps (3632 × 1632, 3680 × 1656) [PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 280 × 720)	[Bullet channel] 50 Hz: 25 fps (3632 × 1632, 3680 × 1656) 60 Hz: 30 fps (3632 × 1632, 3680 × 1656) [PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 280 × 720)
Streams	3	3	3	3
Protection Level	IP66 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to 90° (auto flip)	-15° to 90° (auto flip)	-15° to 90° (auto flip)	-15° to 90° (auto flip)
Pan Speed	Pan speed: configurable from 0.1° to 80°/s, preset speed: 80°/s	Pan speed: configurable from 0.1° to 80°/s, preset speed: 80°/s	Pan speed: configurable from 0.1° to 80°/s, preset speed: 80°/s	Pan speed: configurable from 0.1° to 80°/s, preset speed: 80°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s
Operating Temperature	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)
Humidity	≤ 90%	≤ 90%	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	1/1	1/1	1/1	1/1
Power	DC12V, PoE+ Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light	DC12V, PoE+ Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light	DC12V, PoE+ Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light	DC12V, PoE+ Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light

Model	DS-2SE4C215MW6-E(12F0)	DS-2SE4C225MW6-E(12F0)	DS-2SE4C415MW6-E(14F0)	DS-2SE4C425MW6-E(14F0)
Image				
Image Sensor	[Bullet channel] 1/2.8" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS	[Bullet channel] 1/2.8" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS	[Bullet channel]: 1/3" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS	[Bullet channel]: 1/3" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS
Resolution	1920 × 1080	1920 × 1080	2560 × 1440	2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	[Bullet channel]: 2.8 mm; [PTZ channel]: 5 to 75 mm	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 120 mm	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 72 mm	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 120 mm
Angle of View	[Bullet channel]: Horizontal field of view: 106.1°, Vertical field of view: 56.8°, Diagonal field of view: 126.5°; [PTZ channel]: Horizontal field of view: 54.8° to 4° (wide-tele), Vertical field of view: 31.4° to 2.3° (wide-tele), Diagonal field of view: 62.2° to 4.6° (wide-tele)	[Bullet channel]: Horizontal field of view: 106.1°, Vertical field of view: 56.8°, Diagonal field of view: 126.5°; [PTZ channel]: Horizontal field of view: 54.8° to 2.8° (wide-tele), Vertical field of view: 31.4° to 1.5° (wide-tele), Diagonal field of view: 62.2° to 3.2° (wide-tele)	[Bullet channel]: Horizontal field of view: 96.1°, Vertical field of view: 52.1°, Diagonal field of view: 113.3°; [PTZ channel]: Horizontal field of view: 55° to 4° (wide-tele), Vertical field of view: 33° to 2.2° (wide-tele), Diagonal field of view: 61.5° to 4.6° (wide-tele)	[Bullet channel]: Horizontal field of view: 96.1°, Vertical field of view: 52.1°, Diagonal field of view: 113.3°; [PTZ channel]: Horizontal field of view: 55° to 2.4° (wide-tele), Vertical field of view: 33° to 1.4° (wide-tele), Diagonal field of view: 61.5° to 2.8° (wide-tele)
Min. Illumination	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Max. IR Range	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m
VCA	Motion detection, video tampering alarm, exception, alarm input and output audio exception detection, region exiting detection, region entrance detection, intrusion detection, Line crossing detection	Motion detection, video tampering alarm, exception, alarm input and output audio exception detection, region exiting detection, region entrance detection, intrusion detection, Line crossing detection	Motion detection, video tampering alarm, exception, alarm input and output audio exception detection, region exiting detection, region entrance detection, intrusion detection, Line crossing detection	Motion detection, video tampering alarm, exception, alarm input and output audio exception detection, region exiting detection, region entrance detection, intrusion detection, Line crossing detection
Frame Rate	[Bullet channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP66 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection	IP66 Standard, 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to 90° (auto flip)	-15° to 90° (auto flip)	-15° to 90° (auto flip)	-15° to 90° (auto flip)
Pan Speed	Pan speed: configurable from 0.1° to 80°/s, preset speed: 80°/s	pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s	pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s	pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s
Operating Temperature	-30°C to 65°C (-22°F to 149°F),	-30°C to 65°C (-22°F to 149°F),	-30°C to 65°C (-22°F to 149°F),	-30°C to 65°C (-22°F to 149°F),
Humidity	≤ 90%	≤ 90%	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	1/1	1/1	1/1	1/1
Power	DC12V, PoE+ Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light	DC12V, PoE+ Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light	DC12V, PoE+ Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light	DC12V, PoE+ Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light

Model	DS-2SE7C425MWG-EB/26(F0)	DS-2SE7C432MWG-EB/26(F0)
Image	 	 
Image Sensor	[Panoramic channel] 1/2.5" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS	[Panoramic channel] 1/2.5" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS
Resolution	[Panoramic channel] 3632 × 1632, [PTZ channel] 2560 × 1440	[Panoramic channel] 3632 × 1632, [PTZ channel] 2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	[Panoramic channel] 2.8 mm, [PTZ channel] 4.8 to 120 mm	[Panoramic channel] 2.8 mm, [PTZ channel] 5.9 to 188.8 mm
Angle of View	[Panoramic channel] horizontal field of view: 180°±10°, vertical field of view: 80°±5°, [PTZ channel] horizontal field of view: 55° to 3°	[Panoramic channel] horizontal field of view: 180°±10°, vertical field of view: 80°±5° [PTZ channel] horizontal field of view: 60.2° to 2.3°
Min. Illumination	[PTZ channel] Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 lux with IR, [Panoramic channel] Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with Light	[PTZ channel] Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 lux with IR, [Panoramic channel] Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with Light
WDR	120 dB	120 dB
Max. IR Range	[PTZ channel]: up to 200 m; [Bullet channel]: up to 30 m	[PTZ channel]: up to 200 m; [Bullet channel]: up to 30 m
VCA	Motion detection, video tampering alarm, alarm input and output, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error, abnormal restart), Line crossing detection, intrusion detection, region entrance detection, region exiting detection, audio exception detection	Motion detection, video tampering alarm, alarm input and output, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error, abnormal restart), Line crossing detection, intrusion detection, region entrance detection, region exiting detection, audio exception detection
Frame Rate	[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), [Panoramic channel] 50 Hz: 25 fps (3632 × 1632, 3680 × 1656), 60 Hz: 30 fps (3632 × 1632, 3680 × 1656)	[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), [Panoramic channel] 50 Hz: 25 fps (3632 × 1632, 3680 × 1656), 60 Hz: 30 fps (3632 × 1632, 3680 × 1656)
Streams	3	3
Protection Level	IP66 (IEC 60529-2013)	IP66 (IEC 60529-2013)
Pan Range	360° endless	360° endless
Tilt Range	-15° to 90° (auto flip)	-15° to 90° (auto flip)
Pan Speed	Pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s	Pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	-30 °C to 65 °C (-22 °F to 149 °F)	-30 °C to 65 °C (-22 °F to 149 °F)
Humidity	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	1/1	1/1
Power	24 VAC, Max. 60 W, Hi-PoE	24 VAC, Max. 60 W, Hi-PoE

Model	DS-2SE7C425MW-AEB(14F1)	DS-2SE7C432MW-AEB(14F1)	DS-2SE7C124IW-AE(32x/4)(SS)	DS-2SE7C144IW-AE(32x/4)(SS)
Image				
Image Sensor	[Bullet channel]: 1/1.8" Progressive Scan CMOS; [PTZ channel]: 1/1.8" progressive scan CMOS	[Bullet channel]: 1/1.8" Progressive Scan CMOS; [PTZ channel]: 1/1.8" progressive scan CMOS	[panoramic channel]: 1/2.8" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS	[panoramic channel]: 1/2.8" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS
Resolution	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440	2560 × 1440	[Panoramic channel]: 2560 × 1440; [PTZ channel]: 2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	[Bullet channel]: 4 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical	[Bullet channel]: 4 mm; [PTZ channel]: 5.9 to 188.8 mm, 32 × optical	[panoramic channel]: 4 mm; [PTZ channel]: 4.8 to 153 mm, 32 ×	[Panoramic channel]: 4 mm; [PTZ channel]: 5.9 to 188.8 mm, 32 × optical
Angle of View	[Bullet channel]: Horizontal field of view: 88.7°, Vertical field of view: 44.7°; [PTZ channel]: Horizontal field of view: 55° to 2.4° (wide-tele), Vertical field of view: 33° to 1.4° (wide-tele), Diagonal field of view: 61.5° to 2.8° (wide-tele)	[Bullet channel]: Horizontal field of view: 88.7°, Vertical field of view: 44.7°; [PTZ channel]: Horizontal field of view: 60.2° to 2.3° (wide-tele)	[panoramic channel]: Horizontal field of view: 79°, Vertical field of view: 42.4°; [PTZ channel]: Horizontal field of view: 58.4° to 2.14° (wide-tele), Vertical field of view: 33.8° to 1.2° (wide-tele), Diagonal field of view: 65.6° to 2.46° (wide-tele)	[Panoramic channel]: Horizontal field of view: 79°, Vertical field of view: 42.4°; [PTZ channel]: Horizontal field of view: 60.2° to 2.3° (wide-tele)
Min. Illumination	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR	[PTZ channel]: Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON); [panoramic channel]: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	[PTZ channel]: Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON); [panoramic channel]: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Max. IR Range	300m	300m	150 m	150 m
VCA	[PTZ channel & bullet channel] audio exception detection, [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection, [Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection ANR; Dual-VCA white light and audible warning	[PTZ channel & bullet channel] audio exception detection, [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection, [Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection ANR; Dual-VCA white light and audible warning	Support detecting up to 5 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the facemotion detection, alarm input, alarm output, exception intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection Support alarm triggering by specified target types (human and vehicle)	Support detecting up to 5 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the facemotion detection, alarm input, alarm output, exception intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection Support alarm triggering by specified target types (human and vehicle)
Frame Rate	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[panoramic channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	[Panoramic channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IK10; IP66	IK10; IP66	IP66 Standard, IK10 (excluding glass window), 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, IK10 (excluding glass window), 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to 90° (auto flip)	-15° to 90° (auto flip)	-15° to 90° (auto flip)	-15° to 90° (auto flip)
Pan Speed	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)
Humidity	≤ 90%	≤ 90%	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIFS), ANR
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	2/1	2/1	2/1	2/1
Power	24 VAC, Hi-PoE	24 VAC, Hi-PoE	24 VAC, Hi-PoE	24 VAC, Hi-PoE

Model	DS-2SF8C442MX6-EL(W)/26	DS-2SF8C425MX6-EL(W)/26	DS-2SF8C425MXS-DLW(14F1)
Image	 NEW	 NEW ColorVu DarkFighter+	 NEW ColorVu DarkFighter+
Image Sensor	[Panoramic channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS	[Panoramic channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS
Resolution	[Panoramic channel] 3632 × 1632, [PTZ channel] 2560 × 1440	[Panoramic channel] 3632 × 1632, [PTZ channel] 2560 × 1440	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main stream: H.265+/H.265/H.264+/H.264
Lens	[Panoramic channel] 2.8 mm, [PTZ channel] 6 to 252 mm	[Panoramic channel] 2.8 mm, [PTZ channel] 6 to 150 mm	[Bullet channel] 4 mm, [PTZ channel] 5.9 to 147.5 mm
Angle of View	[Panoramic channel] horizontal field of view: 190° ± 5°, vertical field of view: 80° ± 5°, [PTZ channel] horizontal field of view: 59° to 2°, vertical field of view: 34.2° to 11°, diagonal field of view: 67.1° to 2.3°	[Panoramic channel] horizontal field of view: 190° ± 5°, vertical field of view: 80° ± 5°, [PTZ channel] horizontal field of view: 58.5° to 3.1°, vertical field of view: 34° to 1.7°, diagonal field of view: 65.8° to 3.5°	[Bullet channel] horizontal field of view: 89° ± 5°, vertical field of view: 45° ± 5°, diagonal field of view: 107° ± 5°, [PTZ channel] horizontal field of view: 58.5° to 3.1°, vertical field of view: 34° to 1.7°, diagonal field of view: 68.5° to 3.5°
Min. Illumination	[PTZ channel] Color: 0.0005 Lux @ (F1.3, AGC ON), B/W: 0.0001 Lux @ (F1.3, AGC ON), 0 lux with IR, [Panoramic channel] Color: 0.0005 Lux @ (F1.4, AGC ON), B/W: 0.0001 Lux @ (F1.4, AGC ON), 0 Lux with light	[PTZ channel] Color: 0.0005 Lux @ (F1.3, AGC ON), B/W: 0.0001 Lux @ (F1.3, AGC ON), 0 lux with IR, [Panoramic channel] Color: 0.005 Lux @ (F1.4, AGC ON), B/W: 0.001 Lux @ (F1.4, AGC ON), 0 Lux with light	[Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light, [PTZ channel] Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON), 0 lux with IR
WDR	[Panoramic channel] 120 dB, [PTZ channel] 120 dB	[Panoramic channel] 120 dB, [PTZ channel] 120 dB	[Bullet channel] 120 dB, [PTZ channel] 120 dB
Max. IR Range	300 m	300 m	300m
VCA	[PTZ channel & panoramic channel] alarm input and output, exception, [PTZ channel] motion detection, video tampering alarm [Panoramic channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection, [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection	[PTZ channel & panoramic channel] alarm input and output, exception, [PTZ channel] video tampering alarm [Panoramic channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection, [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection	[PTZ channel & bullet channel] audio exception detection, [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection, [Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection [PTZ channel] Supports simultaneous detection and capture of human body, face and vehicle
Frame Rate	[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), [Panoramic channel] 50 Hz: 25 fps (3680 × 1656, 3632 × 1632), 60 Hz: 30 fps (3680 × 1656, 3632 × 1632)	[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), [Panoramic channel] 50 Hz: 25 fps (3680 × 1656, 3632 × 1632), 60 Hz: 30 fps (3680 × 1656, 3632 × 1632)	[Bullet channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), [PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3
Protection Level	IP67 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection, IK10 (IEC 62262:2002)	IP67 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection, IK10 (IEC 62262:2002)	IK10 ; IP67
Pan Range	360° endless	360° endless	[PTZ channel] 0° to 360°
Tilt Range	[Panoramic channel] 12° to 24°, [PTZ channel] -20° to 90°	[Panoramic channel] 12° to 24°, [PTZ channel] -20° to 90°	[Bullet channel] 7° to 17°, [PTZ channel] -20° to 90°
Pan Speed	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s
Tilt Speed	[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s, [Panoramic channel] tilt speed configurable	[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s, [Panoramic channel] tilt speed configurable	[Bullet channel] tilt speed configurable, [PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	-40 °C to 70 °C (-40 °F to 158 °F).	-40 °C to 70 °C (-40 °F to 158 °F).	-40 °C to 70 °C (-40 °F to 158 °F).
Humidity	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2
Power	36 VDC ± 25%, max. 60 W. Hi-PoE, including max. 6 W for heater and max. 3 W for supplement light of panoramic channel, and max. 6 W for heater and max. 12 W for supplement light of PTZ channel	36 VDC ± 25%, max. 60 W. Hi-PoE, including max. 6 W for heater and max. 3 W for supplement light of panoramic channel, and max. 6 W for heater and max. 12 W for supplement light of PTZ channel	36 VDC ± 25%, max. 70 W, including max. 6 W for heater and max. 6 W for supplement light of bullet channel, and max. 6 W for heater and max. 15 W for supplement light of PTZ channel





Model	DS-2SF8C442MXS-DLW(14F1)	iDS-2SK7184MXS-D(C5F2)
Image	 	
Image Sensor	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.2" progressive scan CMOS
Resolution	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440	[panoramic channel] 2560 × 1440, [PTZ channel] 3840 × 2160
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264
Lens	[Bullet channel] 4 mm, [PTZ channel] 6 to 252 mm	[Panoramic channel] 6 mm; [PTZ channel] 10 to 50 mm
Angle of View	[Bullet channel] horizontal field of view: 89° ± 5°, vertical field of view: 45° ± 5°, diagonal field of view: 107° ± 5°, [PTZ channel] horizontal field of view: 59° to 2°, vertical field of view: 34.2° to 1.1°, diagonal field of view: 67.1° to 2.3°	[Panoramic channel] horizontal field of view: 58.4°, vertical field of view: 31°, Diagonal field of view: 68.7°; [PTZ channel] horizontal field of view: 36° to 13.1°, vertical field of view: 20.3° to 7.3°, diagonal field of view: 41° to 14.85°
Min. Illumination	[Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light, [PTZ channel] Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 lux with IR	[Panoramic channel]: Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON); [PTZ channel] Color: 0.0005 Lux @ (F1.6, AGC ON), B/W: 0.0001 Lux @ (F1.6, AGC ON), 0 lux with IR
WDR	[Bullet channel] 120 dB, [PTZ channel] 120 dB	120 dB
Max. IR Range	300m	300m
VCA	[PTZ channel & bullet channel] audio exception detection, [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection, [Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection	face feature abstraction, human body feature abstraction, vehicle feature abstraction Support face, human body, and vehicle capture, track and grade the target, and output the best capture picture; support face and human body feature analysis, modeling and comparison intrusion detection; line crossing detection; region entrance detection; region exiting detection panorama tracking; event tracking ANR; Dual-VCA
Frame Rate	[Bullet channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), [PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[panoramic channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel] 50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IK10; IP67	IP66
Pan Range	[PTZ channel] 0° to 360°	[panoramic channel] 0 to 360°, [PTZ channel] 0 to 330°
Tilt Range	[Bullet channel] 7° to 17°, [PTZ channel] -20° to 90°	[panoramic channel] 0 to 30°, [PTZ channel] -10° to 90°
Pan Speed	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s	[panoramic channel] pan speed: configurable from 0.1° to 100°/s; [PTZ channel] pan speed: configurable from 0.1° to 210°/s
Tilt Speed	[Bullet channel] tilt speed configurable, [PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	[panoramic channel] tilt speed: configurable from 0.1° to 25°/s; [PTZ channel] tilt speed: configurable from 0.1° to 150°/s
Operating Temperature	-40 °C to 70 °C [-40 °F to 158 °F].	-40 °C to 70 °C [-40 °F to 158 °F].
Humidity	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	7/2	2/1
Power	36 VDC ± 25%, max. 70 W, including max. 6 W for heater and max. 6 W for supplement light of bullet channel, and max. 6 W for heater and max. 15 W for supplement light of PTZ channel	DC36V&PoE





Ultra Series PTZ Cameras





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- > 4K ultra HD
- > ColorVu, DarkFighter, DarkFighterX technology
- > High resolution DarkFighter deep-learning-based target classification algorithm for Auto-Tracking 3.0 and perimeter protection
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- > Face capture and ANPR
- > Traffic management with vehicle attributes analysis, license plate recognition, and traffic violation detection
- > Smart Pan-Tilt Correction, automatically recovering accidental viewing angle changes
- > Image enhancement including rapid focus, P-Iris, 140 dB WDR, and extended IR
- > High zoom ratio & optical image stabilization (OIS)
- > Supports IK10 & IP67, wiper, anti-corrosion
- > Supports Open Network Video Interface and ISAPI
- > Supports Hikvision SDK and third-party management platform







Model	DS-2DF8C425MHS-DELW	DS-2DF8C435MHS-DELW	DS-2DF8C835MHS-DELW	DS-2DF8225IX-AEL(W)(T5)
Image	 DarkFighterX ⁺ NEW	 DarkFighterX ⁺ NEW	 4K DarkFighterX ⁺ NEW	 DarkFighter ⁺
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.2" Progressive Scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440	2560 × 1440	3840 × 2160	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	5.9 to 147.5 mm, 25x optical	5.9 to 206.5 mm, 35 × optical	7.4 to 259 mm, 35 × optical	5.9 to 147.5 mm, 25x optical
Angle of View	Horizontal field of view: 59° to 3.05°, vertical field of view: 34.28° to 1.73°, diagonal field of view: 66.92° to 3.49°	Horizontal field of view: 60.2° to 2.24°, vertical field of view: 36° to 1.26°, diagonal field of view: 68° to 2.56°	Horizontal field of view: 61.26° to 1.77°, vertical field of view: 35.5° to 1°, diagonal field of view: 69.35° to 2.03°	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)
Min. Illumination	Color: 0.0004 Lux @ (F1.6, AGC ON), B/W: 0.0001 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.0004 Lux @ (F1.6, AGC ON), B/W: 0.0001 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.0004 Lux @ (F1.6, AGC ON), B/W: 0.0001 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.5, AGC ON)
WDR	140 dB	140 dB	140 dB	140 dB
Max. IR Range	300 m	300 m	300 m	400 m
VCA	Face Capture, Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture Face Comparison, Recognizes face identity via face modeling, grading and comparing to those in face library Road Traffic, Support vehicle detection (license plate number, vehicle model, and vehicle color recognition) Line crossing detection, intrusion detection, region entrance detection, region exiting detection, audio exception detection, unattended baggage detection, object removal detection	Face Capture, Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture Face Comparison, Recognizes face identity via face modeling, grading and comparing to those in face library Road Traffic, Support vehicle detection (license plate number, vehicle model, and vehicle color recognition) Line crossing detection, intrusion detection, region entrance detection, region exiting detection, audio exception detection, unattended baggage detection, object removal detection	Face Capture, Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture Face Comparison, Recognizes face identity via face modeling, grading and comparing to those in face library Road Traffic, Support vehicle detection (license plate number, vehicle model, and vehicle color recognition) Line crossing detection, intrusion detection, region entrance detection, region exiting detection, audio exception detection, unattended baggage detection, object removal detection	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), TVS 6K V lightning protection, surge protection and voltage transient protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), TVS 6K V lightning protection, surge protection and voltage transient protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), TVS 6K V lightning protection, surge protection and voltage transient protection	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10(without wiper)
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2
Power	36 VDC ± 25%, max. 62 W, Hi-PoE	36 VDC ± 25%, max. 62 W, Hi-PoE	36 VDC ± 25%, max. 62 W, Hi-PoE	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)


Model	DS-2DF82421XG-EL(W)	DS-2DF84251X-AEL(W)(T5)	DS-2DF84421XG-EL(W)(Y)	DS-2DF824215XG-ELW
Image	 DarkFighter ⁺ NEW	 DarkFighter ⁺ HOT	 DarkFighter ⁺ HOT	 DarkFighter ⁺
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	2560 × 1440	1920 × 1080
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.0 to 252 mm	5.9 to 147.5 mm, 25x optical	6.0 to 252 mm	6.0 to 252 mm
Angle of View	Horizontal field of view: 56.62° to 2.43° (wide-tele), Vertical field of view: 33.08° to 1.39° (wide-tele), Diagonal field of view: 63.96° to 2.79° (wide-tele)	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)	Horizontal field of view: 56.62° to 2.43° (wide-tele), Vertical field of view: 33.08° to 1.39° (wide-tele), Diagonal field of view: 63.96° to 2.79° (wide-tele)	Horizontal field of view: 56.62° to 2.43° (wide-tele), Vertical field of view: 33.08° to 1.39° (wide-tele), Diagonal field of view: 63.96° to 2.79° (wide-tele)
Min. Illumination	Color: 0.001 Lux @ (F1.6, AGC ON), B/W: 0.0005 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.5, AGC ON)	Color: 0.001 Lux @ (F1.6, AGC ON), B/W: 0.0005 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.001 Lux @ (F1.6, AGC ON), B/W: 0.0005 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB	140 dB	140 dB
Max. IR Range	400 m	400 m	400 m	400 m
VCA	Motion detection, video tampering alarm, alarm input and output Line crossing detection, region entrance detection, parking detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, vandal-proof alarm, audio exception detection, Manual tracking, auto-tracking Detects up to 30 faces simultaneously. Supports detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face, Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Motion detection, video tampering alarm, alarm input and output Line crossing detection, region entrance detection, parking detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, vandal-proof alarm, audio exception detection, Manual tracking, auto-tracking Detects up to 30 faces simultaneously. Supports detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face, Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)	Motion detection, video tampering alarm, alarm input and output Line crossing detection, region entrance detection, parking detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, vandal-proof alarm, audio exception detection, Manual tracking, auto-tracking Detects up to 30 faces simultaneously. Supports detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face, Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2560 × 1440, 1920×1080, 1280 × 960, 1280×720) 60Hz: 30fps (2560 × 1440, 1920×1080, 1280 × 960, 1280×720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line	IP67 (IEC 60529-2013), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5	IP67 (IEC 60529-2013), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	configurable from 0.1°/s to 210°/s; preset speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	configurable from 0.1°/s to 210°/s; preset speed: 280°/s	configurable from 0.1°/s to 210°/s; preset speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2
Power	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater)	24 VAC (Max. 60 W), Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater)	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater)




Model	DS-2DF8C2601SXG-ELW	DS-2DF8C442IXG-EL(W)	DS-2DF8C446ISXG-ELW	DS-2DF8C825IXG-EL(W)
Image	 NEW DarkFighter ⁺	 NEW DarkFighter ⁺	 NEW DarkFighter ⁺	 NEW DarkFighter ⁺
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.2" progressive scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	3840 × 2160	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.0 to 360 mm, 60 × Optical	6.0 to 252 mm, 42x optical	6.0 to 288 mm, 48 × Optical	7.5 mm to 187.5 mm, 25 × Optical
Angle of View	Horizontal field of view: 60.0° to 2.0° [wide-tele], Vertical field of view: 35.8° to 1.2° [wide-tele], Diagonal field of view: 67.0° to 2.4° [wide-tele]	Horizontal field of view: 56.6° to 1.7° [wide-tele], Vertical field of view: 33.7° to 0.9° [wide-tele], Diagonal field of view: 63.4° to 1.9° [wide-tele]	Horizontal field of view: 60.0° to 2.0° [wide-tele], Vertical field of view: 35.8° to 1.2° [wide-tele], Diagonal field of view: 67.0° to 2.4° [wide-tele]	Horizontal field of view: 60.4° to 3.7° [wide-tele], Vertical field of view: 36.2° to 2.1° [wide-tele], Diagonal field of view: 67.8° to 4.3° [wide-tele]
Min. Illumination	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)	Color: 0.001 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)	Color: 0.002 Lux @ (F1.6, AGC ON), B/W: 0.0002 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB	140 dB	140 dB
Max. IR Range	500 m	500 m	500 m	500 m
VCA	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information), Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note: Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information), Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note: Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information), Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note: Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information), Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note: Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ±3kV Line to Line, IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)	IP67 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2
Power	24 VAC [Max. 62 W, including max. 12 W for IR and max. 8 W for heater], PoE 802.3 bt [Max. 51 W, including max. 12 W for IR and max. 8 W for heater]	24 VAC [Max. 60 W], Hi-PoE [Max. 50 W]	24 VAC [Max. 62 W, including max. 12 W for IR and max. 8 W for heater], PoE 802.3 bt [Max. 51 W, including max. 12 W for IR and max. 8 W for heater]	24 VAC [Max. 62 W, including max. 12 W for IR and max. 8 W for heater], PoE 802.3 bt [Max. 51 W, including max. 12 W for IR and max. 8 W for heater]


Model	DS-2DF8C8421X6-EL(W)	DS-2DF8C84815X6-ELW	DS-2DF8A4421X6-EL(Y)	DS-2DF8A8421X6-EL
Image	 NEW DarkFighter ⁺	 NEW DarkFighter ⁺	 NEW DarkFighter ⁺	 NEW DarkFighter ⁺
Image Sensor	1/1.2" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	3840 × 2160	3840 × 2160	2560 × 1440	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	7.5 mm to 315 mm, 42 × Optical	6.0 to 288 mm, 48 × Optical	6.0 to 252 mm, 42x optical	6 mm to 252 mm, 42 × Optical
Angle of View	Horizontal field of view: 60.4° to 1.7° (wide-tele), Vertical field of view: 36.2° to 0.9° (wide-tele), Diagonal field of view: 67.8° to 2.2° (wide-tele)	Horizontal field of view: 60.0° to 2.0° (wide-tele), Vertical field of view: 35.8° to 1.2° (wide-tele), Diagonal field of view: 67.0° to 2.4° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)
Min. Illumination	Color: 0.002 Lux @(F1.6, AGC ON), B/W: 0.0002 Lux @(F1.6, AGC ON), 0 Lux with IR	Color: 0.002 Lux @(F1.5, AGC ON), B/W: 0.0002 Lux @(F1.5, AGC ON)	Color: 0.001 Lux @(F1.2, AGC ON)	Color: 0.005 Lux @(F1.2, AGC ON), B/W: 0.0005 Lux @(F1.2, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB	140 dB	140 dB
Max. IR Range	500 m	500 m	500 m	500 m
VCA	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP67 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ±3kV Line to Line, IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ±3kV Line to Line, IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2
Power	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater)	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater)	24 VAC (Max. 60 W), Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 18 W for laser and max. 6 W for heater)


Model	DS-2DF8A442IXS-AF/SP(0-STD)(TS)	DS-2DF8A442NXS-AEL(0-STD)(TS)
Image	 DarkFighter ⁺	 DarkFighter ⁺
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440	2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6 mm to 252 mm, 42 × Optical	6 mm to 252 mm, 42 × Optical
Angle of View	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB
Max. IR Range	500 m	300 m
VCA	Face Capture, Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face Face Comparison, Road Traffic, Perimeter Protection, Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Line crossing detection, region entrance detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, vandal-proof alarm, audio exception detection	Face Capture, Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face Face Comparison, Road Traffic, Perimeter Protection, Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Line crossing detection, region entrance detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, vandal-proof alarm, audio exception detection
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10
Pan Range	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%
Local Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	7/2	7/2
Power	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater)	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater)





Model	DS-2DF7C425IXG-EL	DS-2DF7C432IXG-EL
Image	 DarkFighter ⁺	 DarkFighter ⁺
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	2560 × 1440	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264
Lens	5.9 to 147.5 mm, 25 × optical	6 to 192 mm, 32x optical
Angle of View	Horizontal field of view: 60.2° to 2.1° (wide-tele), Vertical field of view: 35.2° to 1.2° (wide-tele), Diagonal field of view: 67.4° to 3.3° (wide-tele)	Horizontal field of view: 60.2° to 1.6° (wide-tele), Vertical field of view: 35.2° to 0.9° (wide-tele), Diagonal field of view: 67.4° to 2.6° (wide-tele)
Min. Illumination	Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB
Max. IR Range	300m	300m
VCA	Face Capture, Detects up to 15 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and outputs the best face picture Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection Manual tracking, auto-tracking	Face Capture, Detects up to 15 faces simultaneously. Road Traffic, Supports detecting, capturing, grading, selecting of face in motion, and outputs the best face picture Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection Manual tracking, auto-tracking
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP66	IP66
Pan Range	360° endless	360° endless
Tilt Range	From -15° to 90°	From -15° to 90°
Pan Speed	configurable from 0.1° to 160°/s; preset speed: 240°/s	configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	configurable from 0.1° to 120°/s, preset speed 200°/s	configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	7/2	7/2
Power	24 VAC, 3.0 A, 50/60 Hz & Hi-PoE, 42.5 to 57 VDC, 1.41 A, Max. 40 W, including max. 16 W for IR and max. 10 W for heater	24 VAC, 3.0 A, 50/60 Hz & Hi-PoE, 42.5 to 57 VDC, 1.41 A, Max. 40 W, including max. 16 W for IR and max. 10 W for heater




Model	DS-2DF7C445IX6-EL
Image	
Image Sensor	1/1.8" progressive scan CMOS
Resolution	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264
Lens	5.9 to 265.5 mm, 45 × optical
Angle of View	Horizontal field of view: 60.2° to 1.7° Vertical field of view: 35.2° to 1° Diagonal field of view: 67.4° to 1.8°
Min. Illumination	Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.0005 Lux @ (F1.5, AGC ON), 0 Lux with IR
WDR	120 dB
Max. IR Range	300m
VCA	Face Capture, Detects up to 15 faces simultaneously. Supports detecting, Road Traffic, capturing, grading, selecting of face in motion, and outputs the best face picture Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection Manual tracking, auto-tracking
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3
Protection Level	IP66
Pan Range	360° endless
Tilt Range	From -15° to 90°
Pan Speed	configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB
Audio I/O	1/1
Alarm I/O	7/2
Power	24 VAC, 3.0 A, 50/60 Hz & Hi-PoE, 42.5 to 57 VDC, 1.41 A, Max. 40 W, including max. 16 W for IR and max. 10 W for heater

Model	DS-2DF6A225X-AEL(T5)	DS-2DF6A436X-AEL(T5)	DS-2DF6A836X-AEL(T5)
Image			
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	1920 × 1080	2560 × 1440	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	5.9 to 147.5 mm, 25x optical zoom	6.0 to 216 mm, 36x optical zoom	6.0 mm to 216 mm, 36x Optical
Angle of View	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)	Horizontal field of view: 56.6° to 2.0° (wide-tele), Vertical field of view: 33.7° to 1.2° (wide-tele), Diagonal field of view: 63.4° to 2.3° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON)	Color: 0.002 lux @ (F1.2, AGC ON)	Color: 0.005 lux @ (F1.5, AGC ON)
WDR	140 dB	140 dB	140 dB
Max. IR Range	-	-	-
VCA	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face Capture, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2560 × 1440, 1920×1080, 1280 × 960, 1280×720) 60Hz: 30fps (2560 × 1440, 1920×1080, 1280 × 960, 1280×720)	50 Hz: 25 fps (3840 × 2160, 2560×1440, 1920×1080, 1280×960, 1280×720) 60 Hz: 24 fps (3840 × 2160, 2560×1440, 1920×1080, 1280×960, 1280×720)
Streams	3	3	3
Protection Level	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ± 3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10	IP67 Standard, IK10, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90° (auto flip)	From -20° to 90° (auto flip)	From -20° to 90° (auto flip)
Pan Speed	Configurable, from 0.1°/s to 300°/s, preset speed: 540°/s	Configurable, from 0.1°/s to 300°/s, preset speed: 540°/s	Configurable, from 0.1°/s to 350°/s, preset speed: 540°/s
Tilt Speed	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	≤ 90%	≤ 90%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR
Audio I/O	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2
Power	24 VAC (Max. 45 W), Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W), Hi-PoE (Max. 50 W)	24 VAC (Max. 45 W), Hi-PoE (Max. 50 W)

Model	DS-2DF5225X-AEL(3)(TS)	DS-2DF5232X-AEL(3)(TS)
Image		
Image Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Resolution	1920 × 1080	1920 × 1080
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	4.8 mm to 120 mm, 25 × optical, 16 × digital	4.8 to 153 mm, 32x optical
Angle of View	Horizontal field of view: 58.4° to 2.7° [wide-tele] Vertical field of view: 33.8° to 1.5° [wide-tele] Diagonal field of view: 65.6° to 3.1° [wide-tele]	Horizontal field of view: 58.4° to 2.14° [wide-tele] Vertical field of view: 33.8° to 1.2° [wide-tele] Diagonal field of view: 65.6° to 2.46° [wide-tele]
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON), B/W: 0.0002 Lux @ (F1.2, AGC ON)	Color: 0.002 lux @ (F1.2, AGC ON)
WDR	120 dB	120 dB
Max. IR Range	-	-
VCA	Motion detection, video tampering alarm, exception, alarm input and output Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection Detects up to 30 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and outputs the best face picture	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP66 (IEC 60529-2013), IK10 (IEC 62262:2002), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5	IP66 Standard (Outdoor), IK10
Pan Range	360° endless	360° endless
Tilt Range	From -15° to 90° (Auto flip)	From -15° to 90° (Auto flip)
Pan Speed	Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s	Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s
Tilt Speed	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	Outdoor model: -40°C to 70°C (-40°F to 158°F) Indoor model: -10°C to 50°C (14°F to 122°F)
Humidity	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR
Audio I/O	1/1	1/1
Alarm I/O	7/2	7/2
Power	24 V, 3.0 A, 50/60Hz, AC (Max. 60 W, including max. 40 W for heater), Hi-PoE, 42.5 to 57 V, 1.41 A (Max. 40 W, including max. 20 W for heater)	Outdoor model: 24 VAC (Max. 60 W) , Hi-PoE (Max. 40 W) Indoor model: 24 VAC (Max. 25 W) , Hi-PoE (Max. 25 W)

Model	DS-2DE7A220MC6-EB	DS-2DE7A412MC6-EB
Image		
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	1920 × 1080	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264
Lens	6.7 mm to 134 mm, 20 × optical, 16 × digital	6.7 mm to 80.4 mm, 12 × optical, 16 × digital
Angle of View	Horizontal field of view: 53° to 4.9° [wide-tele], Vertical field of view: 31.3° to 2.7° [wide-tele], Diagonal field of view: 59.6° to 5.6° [wide-tele]	Horizontal field of view: 51.5° to 7.9° [wide-tele], Vertical field of view: 30.3° to 4.4° [wide-tele], Diagonal field of view: 57.9° to 9.0° [wide-tele]
Min. Illumination	Color: 0.0005Lux @ (F1.2, AGC ON), B/W: 0.0001Lux @ (F1.2, AGC ON), 0 Lux with Light	Color: 0.0005Lux @ (F1.2, AGC ON), B/W: 0.0001Lux @ (F1.2, AGC ON), 0 Lux with Light
WDR	120 dB	120 dB
Max. Light Range	White light: up to 100 m IR: up to 150 m	White light: up to 100 m IR: up to 150 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Manual tracking, auto-tracking, Motion detection, video tampering alarm, exception, alarm input and output, Face Capture: Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Manual tracking, auto-tracking, Motion detection, video tampering alarm, exception, alarm input and output, Face Capture: Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless	360° endless
Tilt Range	From -15° to 90° [Auto-flip]	From -15° to 90° [Auto-flip]
Pan Speed	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	-30 °C to 65 °C (-22 °F to 149 °F).	-30 °C to 65 °C (-22 °F to 149 °F).
Humidity	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	2/1	2/1
Power	24 VAC, max. 42 W (including max. 12 W for IR and max. 2 W for heater) Hi-PoE	24 VAC, max. 42 W (including max. 12 W for IR and max. 2 W for heater) Hi-PoE

Model	DS-2DE7A812MC6-EB	DS-2DE7A225IW-AEB(T5)	DS-2DE7A232IW-AEB(T5)
Image	 		
Image Sensor	1/1.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Resolution	3840 × 2160	1920 × 1080	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.7 mm to 80.4 mm, 12 × optical, 64 × digital	4.8 to 120 mm, 25x optical	4.8 mm to 153 mm, 32x optical
Angle of View	Horizontal field of view: 53° to 8.1° (wide-tele), Vertical field of view: 31.3° to 4.6° (wide-tele), Diagonal field of view: 59.6° to 9.3° (wide-tele)	Horizontal field of view: 57.6° to 2.5° (wide-tele), Vertical field of view: 34.4° to 1.4° (wide-tele), Diagonal field of view: 64.5° to 2.9° (wide-tele)	Horizontal field of view: 50.8° to 2.6° (wide-tele), Vertical field of view: 29.4° to 1.5° (wide-tele), Diagonal field of view: 57.4° to 3° (wide-tele)
Min. Illumination	Color: 0.0005Lux @ (F1.2, AGC ON), B/W: 0.0001Lux @ (F1.2, AGC ON), 0 Lux with Light	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB
Max. IR Range	White light: up to 100 m IR: up to 150 m	200 m	200 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Manual tracking, auto-tracking, Motion detection, video tampering alarm, exception, alarm input and output, Face Capture: Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception
Frame Rate	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3
Protection Level	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless	360° endless	360° endless
Tilt Range	From -15° to 90° (Auto-flip)	From -15° to 90° (Auto Flip)	From -15° to 90° (Auto Flip)
Pan Speed	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s
Operating Temperature	-30 °C to 65 °C [-22 °F to 149 °F].	-30°C to 65°C [-22°F to 149°F]	-30°C to 65°C [-22°F to 149°F]
Humidity	≤ 90%	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1
Alarm I/O	2/1	2/1	2/1
Power	24 VAC, max. 42 W (including max. 12 W for IR and max. 2 W for heater) Hi-PoE	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE






Model	DS-2DE7A425IW-AEB(TS)	DS-2DE7A432IW-AEB(TS)	DS-2DE7A825IW-AEB(TS)
Image			 4K
Image Sensor	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	2560 × 1440	2560 × 1440	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	4.8 mm to 120 mm, 25x optical	5.9 mm to 188.8 mm, 32x optical	5.9mm to 147.5 mm, 25x optical
Angle of View	Horizontal field of view: 50.8° to 2.6° (wide-tele), Vertical field of view: 29.4° to 1.5° (wide-tele), Diagonal field of view: 57.4° to 3° (wide-tele)	Horizontal field of view: 50.8° to 2.6° (wide-tele), Vertical field of view: 29.4° to 1.5° (wide-tele), Diagonal field of view: 57.4° to 3° (wide-tele)	Horizontal field of view: 50.8° to 2.6° (wide-tele), Vertical field of view: 29.4° to 1.5° (wide-tele), Diagonal field of view: 57.4° to 3° (wide-tele)
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB
Max. IR Range	200 m	200 m	200 m
VCA	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3
Protection Level	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless	360° endless	360° endless
Tilt Range	From -15° to 90° (Auto Flip)	From -15° to 90° (Auto Flip)	From -15° to 90° (Auto Flip)
Pan Speed	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s
Tilt Speed	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s
Operating Temperature	-30°C to 65°C [-22°F to 149°F]	-30°C to 65°C [-22°F to 149°F]	-30°C to 65°C [-22°F to 149°F]
Humidity	≤ 90%	≤ 90%	≤ 90%
Local Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1
Alarm I/O	2/1	2/1	2/1
Power	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE



Special Series PTZ Cameras


Great Innovation, Inside and Out


- > Up to 1920 x 1080 resolution
- > H.265+ / H.265 codec
- > DarkFighter Technology
- > False alarm reduction through human and vehicle target classification based on AcuSense technology
- > More zoom ratio options 25x / 36x / 40x / 50x / 100x
- > Supplemental light options – IR (up to 400 m in distance), Laser (up to 3,000 m in distance)
- > Supports IP66, wiper
- > Supports Open Network Video Interface and ISAPI
- > Supports Hikvision SDK and third-party management platform
- > Traffic violation detection with deep-learning algorithm (only supported by Traffic PTZ Cameras)
- > Built-in gauge reading algorithm (only supported by Water-Level Monitoring PTZ Cameras)
- > Supports attendance check with facial recognition (only supported by EDG0288 PTZ cameras)





Model	DS-2DYH2A0IXS-D(T2)	DS-2DY9240IX-A(IT5)	DS-2DY9250IAX-A(IT5)	DS-2DY9250X-A(IT5)	DS-2DY7236IX-A(IT5)
Image					
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	10 mm to 1000 mm, 100 × optical	6.0 mm to 240 mm, 40 × optical	6.0 mm to 300 mm, 50 × optical	6.0 mm to 300 mm, 50 × optical	4.6-165.6 mm, 36 × optical
Angle of View	Horizontal field of view: 31.2° to 0.4° (wide-tele) Vertical field of view: 17.8° to 0.2° (wide-tele) Diagonal field of view: 35.5° to 0.5° (wide-tele)	Horizontal field of view: 59.0° to 1.8° (wide-tele) Vertical field of view: 33.7° to 1.1° (wide-tele) Diagonal field of view: 63.4° to 2.1° (wide-tele)	Horizontal field of view: 56.6° to 1.4° (wide-tele) Vertical field of view: 33.7° to 0.9° (wide-tele) Diagonal field of view: 63.4° to 1.6° (wide-tele)	Horizontal field of view: 56.6° to 1.4° (wide-tele) Vertical field of view: 33.7° to 0.9° (wide-tele) Diagonal field of view: 63.4° to 1.6° (wide-tele)	55° to 2.0° (Wide-Tele)
Min. Illumination	Color: 0.005 Lux @ (F3.0, AGC ON) B/W: 0.0005 Lux @ (F3.0, AGC ON), 0 Lux with laser	color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON), 0 Lux with Laser	B/W: 0.001 Lux @ (F1.2, AGC ON), color: 0.005 Lux @ (F1.2, AGC ON)	color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	N/A	140 dB	140 dB	140 dB	120 dB
Max. IR Range	3000 m	400 m	1000 m	N/A	150 m
VCA	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage detection, Object Removal Detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame Rate	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3	3
Protection Level	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360°	360°	360°	360°	360° endless
Tilt Range	-45° to 45° (auto flip)	+40° to -90°	+40° to -90°	+40° to -90°	From -40° to 90°
Pan Speed	pan speed: configurable from 0.1°-40°/s	pan speed: configurable from 0.1° to 120°/s; preset speed: 120°/s	pan speed: configurable from 0.1° to 120°/s; preset speed: 120°/s	pan speed: configurable from 0.1° to 120°/s; preset speed: 120°/s	Configurable, from 0.1°/s to 100°/s, Preset speed: 100°/s
Tilt Speed	tilt speed: configurable from 0.1°-20°/s	tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s	tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s	tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s	Configurable, from 0.1°/s to 50°/s, Preset Speed: 100°/s
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR
Audio I/O	1/1	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2	7/2
Power	DC48V, 6.67 A, 320 W max	24 VAC	24 VAC	24 VAC	24 VAC Max.: 55 W

Model	DS-2DY5225IX-AE(TS)	DS-2DY5225IX-DM(TS)
Image	 DarkFighter ⁺	 DarkFighter ⁺
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	1920 × 1080	1920 × 1080
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	5.9-147.5 mm, 25 × optical	5.9-147.5 mm, 25 × optical
Angle of View	Horizontal FOV: 55.4° to 2.1° (wide-tele), Vertical FOV: 32.4° to 1.2° (wide-tele), Diagonal FOV: 62° to 3.3° (wide-tele)	Horizontal FOV: 55.4° to 2.1° (wide-tele), Vertical FOV: 32.4° to 1.2° (wide-tele), Diagonal FOV: 62° to 3.3° (wide-tele)
Min. Illumination	color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR	color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB
Max. IR Range	250 m	250 m
VCA	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360° endless	360° endless
Tilt Range	From +90° to -90° (auto flip)	From +90° to -90° (auto flip)
Pan Speed	Configurable, from 0.1°/s to 150°/s, Preset speed: 150°/s	Configurable, from 0.1°/s to 80°/s Preset Speed: 80°/s
Tilt Speed	Configurable, from 0.1°/s to 80°/s Preset Speed: 80°/s	Configurable, from 0.1°/s to 40°/s Preset Speed: 40°/s
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR
Audio I/O	1/1	N/A
Alarm I/O	7/2	N/A
Power	24 VAC & Hi-PoE Max.: 45 W	"12 VDC & PoE(802.3at) Max.: 45 W"

Model	DS-EGD0288-H/FR
Image	 DarkFighter ⁺ NEW
Image Sensor	[Panoramic channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS
Resolution	3840 × 2160
Video Compression	Main stream: H.265+/H.265/H.264+/H.264
Lens	[Panoramic channel] 2.8 mm, [PTZ channel] 8 to 32 mm
Angle of View	[Panoramic channel] horizontal field of view: 103°, vertical field of view: 54°, [PTZ channel] horizontal field of view: 41.9° to 15.1°, vertical field of view: 22.9° to 8.5°
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON)
WDR	120 dB
Max. IR Range	-
VCA	video tampering alarm, audio exception detection
Frame Rate	[Panoramic channel] 50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), [PTZ channel] 50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3
Protection Level	TVS 2000 V lightning protection, surge protection and voltage transient protection
Pan Range	
Tilt Range	
Pan Speed	Pan speed: configurable from 0.1° to 300°/s, preset speed: 100°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 100°/s
Operating Temperature	-10 °C to 40 °C (14 °F to 104 °F).
Humidity	≤ 90%
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Audio I/O	1/1
Alarm I/O	0/0
Power	12 VDC, max. 18 W, PoE, max. 22.5W

Model	IDS-2VS445-F835H-MEY
Image	
Image Sensor	1/1.8" progressive scan CMOS
Resolution	2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	5.9 to 206.5 mm, 35 × optical, 16 × digital
Angle of View	Horizontal field of view: 58.9° to 2.2°, vertical field of view: 34.1° to 1.2°, diagonal field of view: 68.2° to 2.6°
Min. Illumination	Color: 0.0004 Lux @ (F1.6, AGC ON), B/W: 0.0001 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	140 dB
Max. IR Range	300 m
VCA	Motion detection, video tampering alarm, exception, alarm input and output
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3
Protection Level	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), TVS 6K V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless
Tilt Range	From -20° to 90°
Pan Speed	configurable from 0.1° to 210°/s, preset speed: 280°/s
Tilt Speed	configurable from 0.1° to 150°/s, preset speed 250°/s
Operating Temperature	-40 °C to 70 °C [-40 °F to 158 °F]
Humidity	≤ 95%
Local Storage	Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 256 GB
Audio I/O	1/1
Alarm I/O	7/2
Power	24 VDC ± 25%, max. 62 W, Hi-PoE

Model	DS-2SF8C432MXG-WD/14(F1)	DS-2SF8C432MXG-WD/4G/14(F1)
Image		
Image Sensor	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS
Resolution	2560 × 1440	2560 × 1440
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264	Main stream: H.265+ / H.265 / H.264+ / H.264
Lens	[Bullet channel] 4 mm, [PTZ channel] 7.1 to 227.2 mm	[Bullet channel] 4 mm, [PTZ channel] 7.1 to 227.2 mm
Angle of View	[Bullet channel]: 90°, [PTZ channel]: approx. 60.2° to 2.3° (wide-tele)	[Bullet channel]: 90°, [PTZ channel]: approx. 60.2° to 2.3° (wide-tele)
Min. Illumination	[Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR, [PTZ channel] Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON), 0 lux with IR	[Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR, [PTZ channel] Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON), 0 lux with IR
WDR	120 dB	120 dB
VCA	audio exception, video tampering alarm, alarm in, alarm out, exceptions	audio exception, video tampering alarm, alarm in, alarm out, exceptions
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP67 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection	IP67 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection
Pan Range	[PTZ channel] 0° to 360°	[PTZ channel] 0° to 360°
Tilt Range	[PTZ channel] -20° to 90°	[PTZ channel] -20° to 90°
Pan Speed	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s
Tilt Speed	[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	-40 °C to 70 °C [-40 °F to 158 °F]	-40 °C to 70 °C [-40 °F to 158 °F]
Humidity	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	7/2	7/2
Power	12 VDC/5 A max. 60 W (including 6 W for heater and 6 w for supplement light in panoramic channel, and 6 W for heater and 12 w for supplement light in PTZ channel)	12 VDC/5 A max. 60 W (including 6 W for heater and 6 w for supplement light in panoramic channel, and 6 W for heater and 12 w for supplement light in PTZ channel)

Panoramic Camera

070 PanoVu Series

074 Fisheye Series






PanoVu Series






From Expansive Scenes to Detailed Close-Ups





- > 360° / 270° / 180° image stitching of up to 32 MP
- > Multiple display modes
- > F1.0 super large aperture (ColorVu technology)
- > Face capture (PTZ PanoVu only)
- > Augmented Reality
- > Saves labor costs and IP address costs



Model	DS-2DP1618ZIXS-D/440(F0)(P5)	DS-2DP3236ZIXS-D/440(F0)(P5)	DS-2DP0818ZIXS-DE/440(F0)(P4)
Image	 PanoVu	 PanoVu	 PanoVu
Image Sensor	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.8" progressive scan CMOS	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.8" progressive scan CMOS	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.8" progressive scan CMOS
Resolution	5520 × 2400	5520 × 2400	4096 × 1800
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG
Min. Illumination	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel]: 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel] 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel] 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR
WDR	[Panoramic channel] no, [PTZ channel] 120 dB	120 dB	120 dB
Lens	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm
FOV	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to 2.0°	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to 2.0°	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to 2.0°
Optical Zoom	40x	40x	40x
Max. IR Range	250 m	250 m	250 m
VCA	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection
Frame Rate	[Panoramic channel]: 50 Hz: 25 fps (5520 × 2400, 4096 × 1800, 3840 × 1680, 2784 × 1200) 60 Hz: 30 fps (5520 × 2400, 4096 × 1800, 3840 × 1680, 2784 × 1200) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[Panoramic channel]: 50 Hz: 25 fps (5520 × 2400 × 2, 4096 × 1800 × 2, 3840 × 1680 × 2, 2784 × 1200 × 2) 60 Hz: 30 fps (5520 × 2400 × 2, 4096 × 1800 × 2, 3840 × 1680 × 2, 2784 × 1200 × 2) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[Panoramic channel]: 50 Hz: 25 fps (4096 × 1800, 3840 × 1680, 2720 × 1192), 60 Hz: 30 fps (4096 × 1800, 3840 × 1680, 2720 × 1192); [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3
Protection Level	IP67, IK10	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10
Angle Adjustment	-	-	-
Operating Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158 °F).	-40°C to 70°C (-40°F to 158 °F).
Humidity	≤ 90%	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB
Indoor/Outdoor	Outdoor	Outdoor	Outdoor
Audio I/O	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω
Alarm I/O	7 alarm inputs, 2 alarm outputs	7 alarm inputs, 2 alarm outputs	7 alarm inputs, 2 alarm outputs
Power	36 VDC, max. 135 W (including max. 12 W for IR)	36 VDC, max. 135 W (including max. 12 W for IR)	36 VDC, max. 135 W (including max. 12 W for IR)

Network Camera
PTZ Dome Camera
Panoramic Camera
Explosion-Proof & Anti-Corrosion Series
NVR
Network Storage
Data Center
Thermal
Software
Accessories
DORI Distance

Model	DS-2CD692460-IHS/(NFC)	DS-2CD694460-IHS/(NFC)	DS-2CD698460-IH(S)/(NFC)	DS-2CD6D24FWD-(I)Z(H)(S)/(NFC)	DS-2CD6D54FWD-(I)Z(H)(S)/(NFC)
Image	 PanoVu	 PanoVu	 PanoVu	 PanoVu	 PanoVu
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Resolution	3840 × 2160 (Panorama mode)	4800 × 2688 (Panorama mode)	8160 × 3616 (Panorama mode)	1920 × 1080	2560 × 1920
Video Compression	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG
Min. Illumination	Color: 0.003 lux @ (F1.2, AGC ON), B/W: 0.0018 lux @ (F1.6, AGC ON), 0 lux with IR	Color: 0.009 lux @ (F1.6, AGC ON), B/W: 0.0018 lux @ (F1.6, AGC ON), 0 lux with IR	Color: 0.012 lux @ (F1.4, AGC ON) B/W: 0.0012 lux @ (F1.4, AGC ON), 0 lux with IR	Color: 0.006 Lux @ (F1.2, AGC ON), 0.01 Lux @ (F1.6, AGC ON) B/W: 0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON) 0 Lux with IR on	Color: 0.006 Lux @ (F1.2, AGC ON), 0.010 Lux @ (F1.6, AGC ON) B/W: 0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON) 0 Lux with IR on
WDR	Digital WDR	Digital WDR	Digital WDR	120 dB	120 dB
Lens	Four 2.8 mm/6 mm	Four 2.8 mm/6 mm	Four 2.8 mm	Four 2.8 to 12 mm	Four 2.8 to 12 mm
FOV	2.8 mm: horizontal FOV 180°, vertical FOV 90° 6 mm: horizontal FOV 180°, vertical FOV 25°	2.8 mm: horizontal FOV 180°, vertical FOV 90° 6 mm: horizontal FOV 180°, vertical FOV 25°	Single lens image: horizontal FOV 102°, vertical FOV 55°, diagonal FOV 120° Panorama Image: horizontal field of view 180°, vertical FOV 95°	Horizontal field of view: 30° to 96.3° Vertical field of view: 17° to 54° Diagonal field of view: 34° to 121°	Horizontal field of view: 30° to 101° Vertical field of view: 22.4° to 73° Diagonal field of view: 37° to 137°
Optical Zoom	-	-	-	-	-
Max. IR Range	20 m (Four IR LEDs)	20 m (Four IR LEDs)	20 m (Four IR LEDs)	30 m	30 m
VCA	-	-	-	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Frame Rate	50Hz: 25fps (3840 × 2160, 2560 × 1440, 1920 × 1080) 60Hz: 30fps (3840 × 2160, 2560 × 1440, 1920 × 1080)	50Hz: 25fps (4800 × 2688, 3840 × 2160, 2688 × 1520) 60Hz: 30fps (4800 × 2688, 3840 × 2160, 2688 × 1520)	50Hz: 25fps (8160 × 3616, 8160 × 2304) 60Hz: 30fps (8160 × 3616, 8160 × 2304)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)
Streams	2	2	1	3	3
Protection Level	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°	Pan: 0° to 355°, tilt: 0° to 90°	Pan: 0° to 355°, tilt: 0° to 90°	Four flexible lens in one track, slide range: -180° to 180°, tilt: 0° to 135°, rotate: 0° to 355°	Four flexible lens in one track, slide range: -180° to 180°, tilt: 0° to 135°, rotate: 0° to 355°
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-30 °C to 60 °C (-22 °F to 140 °F). -H: -40 °C to 60 °C (-40 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F). -H: -40 °C to 60 °C (-40 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Micro SD / SDHC / SDXC slot, up to 256 GB	Micro SD / SDHC / SDXC slot, up to 256 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB
Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Audio I/O	1 Input (line in/mic in, 3.5 mm), 1 output(3.5 mm)	1 Input (line in/mic in, 3.5 mm), 1 output(3.5 mm)	With S: 1 input (line in), 1 output (line out)	With -S: 1-ch 3.5 mm input (line in/Mic in), 1-ch 3.5mm output, dual-track, stereo	With -S: 1-ch 3.5 mm input (line in), 1-ch 3.5mm output, dual-track, stereo
Alarm I/O	2 Inputs, 2 outputs	2 Inputs, 2 outputs	With S: 2 Inputs, 2 outputs	With -S: 2 inputs, 2 outputs	With -S: 2 inputs, 2 outputs
Power	12 VDC & PoE(802.3at) Max.: 24W	12 VDC & PoE(802.3at) Max.: 24W	12 VDC & PoE(802.3at)	12 VDC ± 20%, 24 VAC ± 20% (for customization), three-core terminal block, -Iz, -IZS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, -Z: PoE (802.3at)	12 VDC ± 20%, 24 VAC ± 20% (for customization), three-core terminal block, -Iz, -IZS/NFC, -IZHS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, -Z: PoE (802.3at)



Model	DS-2CD6D5461-IZ(S)	DS-2CD6D5461-ZS/RC	DS-2CD6D4260-IS	DS-2CD6D8260-IH(S)
Image	 PanoVu	 PanoVu	 PanoVu	 PanoVu
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1.3" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Resolution	2560 x 1920	2560 x 1920	2688 x 1520	3840 x 2160
Video Compression	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265/H.264/MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG
Min. Illumination	Color: 0.0125 lux @ (F1.9, AGC ON); B/W: 0.0025 lux @ (F1.9, AGC ON)	Color: 0.0125 lux @ (F1.9, AGC ON); B/W: 0.0025 lux @ (F1.9, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.056 Lux @ (F2.0, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Lens	Four 2.8 to 8 mm	Four 2.8 to 8 mm	2.8 mm/4 mm/6 mm	2.8 mm/4 mm/6 mm
FOV	Horizontal FOV 100° to 49°, vertical FOV 72° to 36.4°, diagonal FOV 134.4° to 61.4°	Horizontal FOV 100° to 49°, vertical FOV 72° to 36.4°, diagonal FOV 134.4° to 61.4°	2.8 mm, horizontal FOV 98.2°, vertical FOV 54.2°, diagonal FOV 114.6° 4 mm, horizontal FOV 78.8°, vertical FOV 40.5°, diagonal FOV 93.9° 6 mm, horizontal FOV 49.1°, vertical FOV 26.3°, diagonal FOV 57.2°	2.8mm @ F2.0, horizontal FOV 103°, vertical FOV 53°, diagonal FOV 124° 4 mm @ F2.0, horizontal FOV 79°, vertical FOV 41°, diagonal FOV 94° 6 mm @ F2.0, horizontal FOV 50°, vertical FOV 27°, diagonal FOV 58°
Optical Zoom	-	-	-	-
Max. IR Range	30 m	-	10 m	10 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	scene change detection, audio exception detection, defocus detection	-
Frame Rate	50Hz: 25fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 25fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 24fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: -60° to 60°, tilt: 10° to 90°	Pan: -60° to 60°, tilt: 10° to 90°	Pan: -90° to 90°, tilt: 0 to 60° (2.8 mm), 0 to 70° (4/6 mm), rotate: 0° to 355°	P: -90 to 90°; T: 0 to 60° (2.8mm), 0 to 70° (4/6mm); R: 0 to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)	-40 °C to 60 °C (-40 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in micro SD / SDHC / SDXC slot, up to 256 GB
Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Audio I/O	With S: 1 input (line in), 1 output (line out), mono sound	1 input (line in), 1 output (line out), mono sound	1 input (line in), 3.5 mm connector, three-contact, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium 1 output (line out), 3.5 mm connector, three-contact, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound	Without -S: 2 built-in mics With S: 2 built-in mics, 1 line in, 1 line out
Alarm I/O	With S: 2 inputs, 2 outputs	2 inputs, 2 outputs	1 input(s), 1 output(s) (max. 36 VDC, 30 mA)	With S: 1 input, 1 output (max. 36 VDC, 30mA)
Power	12 VDC ± 20%, reverse polarity protection; three-core terminal block 24 VAC ± 20%; PoE (802.3af, class 4)	12 VDC ± 20%, reverse polarity protection; three-core terminal block 24 VAC ± 20%; PoE (802.3af, class 0)	12 VDC ± 20%, 0.58 A, max. 7.0 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: 802.3af, Type 1, Class 3, 36 V to 57 V, 0.25 A to 0.16 A, max. 9.0 W	12 VDC & PoE (802.3af)


Fisheye Series



Single Sensor Panorama Camera

- > 360° / 180° overview
- > Multiple display modes
- > ImmerVision lens (DS-2CD63C5G0 only)
- > Deep learning heat map, intersection flow analysis and people counting
- > Supports onboard dewarping
- > IK10+ (50J) vandal-proof



Model	DS-2CD63C560-I(V)(S)	DS-2CD636560-I(V)(S)
Image	 <p style="text-align: right;">HOT NEW</p> <p style="text-align: center;">IMMERVISION</p>	 <p style="text-align: right;">HOT NEW</p>
Image Sensor	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max.Resolution	4000 × 3000	3072 × 2048
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Min. Illumination	Color: 0.05 lux @ (F2.2, AGC ON), B/W: 0.01 lux @ (F2.2, AGC ON), 0 lux with IR	Color: 0.047 lux @ (F2.6, AGC ON), B/W: 0.0047 lux @ (F2.6, AGC ON), 0 lux with IR
WDR	DWDR	DWDR
Lens	1.29 mm	1.27 mm
F0V	Horizontal F0V: 180°, vertical F0V: 180°	Horizontal F0V 180° (wall mount), 360°(ceiling mount), 360°(table mount)
Max. IR Range	15 m (three independently controlled LEDs)	15 m (three independently controlled LEDs)
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;Heat map with deep learning algorithm;Intersection analysis;People Counting	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;Heat map with deep learning algorithm;Intersection analysis;People Counting
Frame Rate	50Hz: 20fps (4000 × 3000), 25fps (3000 × 3000, 2560 × 2560) 60Hz: 20fps (4000 × 3000), 30fps (3000 × 3000, 2560 × 2560)	50Hz: 25fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60Hz: 30fps (3072 × 2048, 2048 × 2048, 1280 × 1280)
Streams	2	2
Protection Level	With -V: IP67, IK10	With -V: IP67, IK10
Angle Adjustment	-	-
Operating Temperature	-40 °C to 60 °C (-40 °F to +140 °F) Heater	-40 °C to 60 °C (-40 °F to +140 °F) Heater
Humidity	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)
Local Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR
Indoor/Outdoor	indoor/outdoor	indoor/outdoor
Audio I/O	2 built-in microphones, 1 built-in speaker, mono sound -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm)	2 built-in microphones, 1 built-in speaker, mono sound -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm)
Alarm I/O	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A
Power	12 VDC±20%, PoE (802.3at, class 4), -S model: two-core terminal block Without -S model: Ø 5.5 × 2.1 mm coaxial power plug	12 VDC±20%, PoE (802.3at, class 4), -S model: two-core terminal block Without -S model: Ø 5.5 × 2.1 mm coaxial power plug

Model	DS-2CD63C560E-IV(S)	DS-2CD63650E-IV(S)	DS-2CD63C560E-S/RC
Image			 HOT
Image Sensor	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
Max.Resolution	4000 × 3000	3072 × 2048	4000 × 3000
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Min. Illumination	Color: 0.082 lux @ (F2.8, AGC ON), B/W: 0.016 lux @ (F2.8, AGC ON), 0 lux with IR	Color: 0.047 lux @ (F2.6, AGC ON), B/W: 0.0047 lux @ (F2.6, AGC ON), 0 lux with IR	Color: 0.06 lux @ (F2.4, AGC ON), B/W: 0.012 lux @ (F2.4, AGC ON)
WDR	DWDR	DWDR	DWDR
Lens	2 mm	1.27 mm	2 mm
FOV	Horizontal FOV 180° (wall mount), 360°(ceiling mount), 360°(table mount)	Horizontal FOV 180° (wall mount), 360°(ceiling mount), 360°(table mount)	360° (in-ceiling mounting)
Max. IR Range	15 m (three independently controlled LEDs)	15 m (three independently controlled LEDs)	-
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;
Frame Rate	50Hz: 20fps (4000 × 3000), 25fps (3000 × 3000, 2560 × 2560) 60Hz: 20fps (4000 × 3000), 30fps (3000 × 3000, 2560 × 2560)	50Hz: 25fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60Hz: 30fps (3072 × 2048, 2048 × 2048, 1280 × 1280)	50Hz: 20fps (4000 × 3000), 25fps (3000 × 3000, 2560 × 2560) 60Hz: 20fps (4000 × 3000), 30fps (3000 × 3000, 2560 × 2560)
Streams	2	2	2
Protection Level	With -V: IP67, IK10	With -V: IP67, IK10	-
Angle Adjustment	-	-	-
Operating Temperature	-40 °C to 60 °C (-40 °F to +140 °F) Heater	-40 °C to 60 °C (-40 °F to +140 °F) Heater	-10 °C to +40 °C (14 °F to +104 °F)
Humidity	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)
Local Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR
Indoor/Outdoor	indoor/outdoor	indoor/outdoor	indoor
Audio I/O	With -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphone, 1 built-in speaker, mono sound	With -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphone, 1 built-in speaker, mono sound	1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphones, mono sound
Alarm I/O	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A	1-ch alarm input, max. 12 V; 1-ch alarm output, max 12 VDC, 0.5 A
Power	12 VDC±20%, PoE (802.3af, class 0) -S model: two-core terminal block Without -S model: Ø 5.5 × 2.1 mm coaxial power plug	12 VDC±20%, PoE (802.3af, class 0), -S model: two-core terminal block Without -S model: Ø 5.5 × 2.1 mm coaxial power plug	12 VDC±20%, PoE (802.3af, class 3), two-core terminal block

Model	DS-2CD636560E-S/RC	DS-2CD395662-IS(U) NEW
Image		
Image Sensor	1/1.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max.Resolution	3072 × 2048	2592 × 1944
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Min. Illumination	Color: 0.047 lux @ (F2.6, AGC ON), B/W: 0.0047 lux @ (F2.6, AGC ON)	Color: 0.017 Lux @ (F2.25, AGC ON), B/W: 0 Lux with IR
WDR	DWDR	120 dB
Lens	1.27 mm	1.05 mm
F0V	360° (In-ceiling mounting)	horizontal F0V: 180°, vertical F0V: 180°, diagonal F0V: 180°
Max. IR Range	-	8 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)) Unattended baggage detection, object removal detection, scene change detection, audio exception detection
Frame Rate	50Hz: 25fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60Hz: 30fps (3072 × 2048, 2048 × 2048, 1280 × 1280)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Streams	2	4
Protection Level	-	-
Angle Adjustment	-	-
Operating Temperature	-10 °C to +40 °C (14 °F to +104 °F)	-10 °C to 50 °C [-14 °F to 122 °F]
Humidity	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)
Local Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Built-in memory card slot, support microSD/microSDHC/microSDXC/TF card, up to 256 GB
Indoor/Outdoor	indoor	indoor
Audio I/O	1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphones, mono sound	1 input(s) (line in), four-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output(s) (line out), four-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	1-ch alarm input, max. 12 V; 1-ch alarm output, max 12 VDC, 0.5 A	1 input, 1 output (max. 12 VDC, 30 mA)
Power	12 VDC±20%, PoE (802.3af, class 3), two-core terminal block	12 VDC ± 25%, 0.50 A, max. 6 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.20 A to 0.13 A, max. 7.5 W

Explosion-Proof & Anti-Corrosion Series

078 Explosion-Proof Series

083 Anti-Corrosion Series



Explosion-Proof Series

Complete Protection with Superior Design Inside and Out

- › Explosion-proof certification: ATEX, IECEx, ULEx
- › Anti-corrosion certification: NEMA-4X, C5
- › 316L stainless steel / 304L stainless steel / Aluminum alloy
- › Deep learning perimeter protection, face capture and hard hat detection
- › Clear images of up to 8 MP
- › H.265+/H.265 codec














Camera

Model	DS-2XE6146F-HS	DS-2XE6242F-IS/316L	DS-2XE6422FWD-IZHRS	DS-2XE6442F-IZHRS	DS-2XE6482F-IZHRS
Image	 ATEX, IECEx, C5, NEMA 4X	 ATEX, IECEx, C5, NEMA 4X	 ATEX, IECEx, C5, NEMA 4X	 ATEX, IECEx, C5, NEMA 4X	 ATEX, IECEx, C5, NEMA 4X
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	1920 × 1080	2688 × 1520	3840 × 2160
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Main stream: H.265/H.264 / H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Min. Illumination	Color: 0.003 Lux @ (F1.0, AGC ON)	Color: 0.01 lux @ (F1.2, AGC ON), B/W: 0.001 lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON), B/W: 0.0002 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8, 4 or 6 mm	4, 6, 8 or 12 mm	2.8-12 mm, 8-32 mm	2.8-12 mm, 8-32 mm	2.8-12 mm, 8-32 mm
FOV	2.8 mm, horizontal FOV 102.5°, vertical FOV 53.4°, diagonal FOV 118.9° 4 mm, horizontal FOV 80.2°, vertical FOV 40.8°, diagonal FOV 93.4° 6 mm, horizontal FOV 52.5°, vertical FOV 27.4°, diagonal FOV 60.2°	4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 60° 8 mm, horizontal FOV 39°, vertical FOV 22°, diagonal FOV 46° 12 mm, horizontal FOV 25°, vertical FOV 14°, diagonal FOV 28°	2.8 mm to 12 mm, horizontal FOV: 94° to 38°, vertical FOV: 49.9° to 21.3°, diagonal FOV: 112.3° to 43.5° 8 mm to 32 mm, horizontal FOV 42.5° to 15.1°, vertical FOV: 23.4° to 8.6°, diagonal FOV: 49.6° to 17.3°	2.8 mm to 12 mm, horizontal FOV 94° to 38°, vertical FOV 49.9° to 21.3°, diagonal FOV 112.3° to 43.7° 8 mm to 32 mm, horizontal FOV 42.2° to 15.1°, vertical FOV 23.4° to 8.6°, diagonal FOV 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV: 94.8° to 38.2°, vertical FOV: 50° to 21.4°, diagonal FOV: 113° to 43.9° 8 to 32 mm, horizontal FOV: 41.8° to 14.9°, vertical FOV: 22.9° to 8.5°, diagonal FOV: 48.7° to 17.1°
Max. IR Range	N/A	30 m	2.8 mm to 12 mm lens: up to 80 m 8 mm to 32 mm lens: up to 150 m	2.8 mm to 12 mm lens: up to 80 m 8 mm to 32 mm lens: up to 150 m	2.8 to 12 mm: up to 80 m 8 to 32 mm: up to 150 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Scene change detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Face detection, scene change detection, defocus detection	Line crossing detection, up to 4 lines configurable Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable, Scene change detection, defocus detection	Line crossing detection, up to 4 lines configurable Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable, Scene change detection, defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)) Scene change detection, audio exception detection
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3840 × 2160, 3072 × 1728) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3840 × 2160, 3072 × 1728) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3
Protection Level	IP68	IK08 (IEC 62262:2002), IP68 (IEC 60529-2013)	IP68	IP68	IP68
Angle Adjustment	Pan: 0° to 340°, tilt: 0° to 75°	-	-	-	-
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	-30°C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)	- 40 °C to +60 °C (-40 °F to +140 °F)	- 40 °C to +60 °C (-40 °F to +140 °F)	- 40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	128 GB	256 GB	128 GB	128 GB	256 GB
Audio I/O	1 in, 1 out	N/A	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	2 in, 2 out	2 in, 2 out	2 in, 2 out
Installation	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power Supply	12 VDC ± 20%, 0.8 A, max. 10 W, two-core terminal block PoE (802.3af, Class 3, 36 V to 57 V), 0.3 A to 0.2 A, max. 12.5 W	100 VAC to 240 VAC, 0.15 A, 50/60 Hz, max. 7 W, terminal block PoE: 802.3af, Class 3, 36 to 57 V, 0.3 to 0.2 A	100 VAC to 240 VAC, 0.38 A to 0.18 A, max. 22.6 W, three-core terminal block PoE: 802.3at, 42.5 V to 57 V, 0.56 A to 0.42 A, max. 23.6 W	100 VAC to 240 VAC, 0.38 A to 0.18 A, max. 22.6 W, three-core terminal block PoE: 802.3at, 42.5 V to 57 V, 0.56 A to 0.42 A, max. 23.6 W	100 VAC to 240 VAC, 0.38 A to 0.18 A, max. 22.6 W, three-core terminal block PoE: 802.3at, 42.5 V to 57 V, 0.56 A to 0.42 A, max. 23.6 W

Network Camera PTZ Dome Camera Panoramic Camera Anti-Corrosion Series NVR Network Storage Data Center Thermal Software Accessories Distance

Model	DS-2XE682560-II(L)Z(H)(S)	DS-2XE684560-II(L)Z(H)(S)	DS-2XE688560-II(L)Z(H)(S)	DS-2XE644560-IZS	DS-2XE614560-HS
Image	 (ATEX, IECEx, ULEx, C5, NEMA 4X)	 (ATEX, IECEx, ULEx, C5, NEMA 4X)	 (ATEX, IECEx, ULEx, C5, NEMA 4X)	 (ATEX, IECEx, ULEx, C5, NEMA 4X)	 (ATEX, IECEx, ULEx, C5, NEMA 4X)
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3840 × 2160	2688 × 1520	2688 × 1520
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main stream: H.265/H.264/H.265+/H.264+	Main stream: H.265+/H.265/H.264+/H.264
Min. Illumination	Color: 0.009 Lux @ (F1.2, AGC ON)	Color: 0.009 Lux @ (F1.2, AGC ON)	Color: 0.009 Lux @ (F1.2, AGC ON)	Color: 0.0125 Lux @ (F1.9, AGC ON)	Color: 0.003 Lux @ (F1.0, AGC ON)
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8-12 mm, 8-32 mm	2.8-12 mm, 8-32 mm	2.8-12 mm, 8-32 mm	2.8 to 12 mm	Fixed focal length, 2.8 mm, 4 mm, and 6 mm optional
FOV	2.8 to 12 mm, horizontal FOV 115° to 42°, vertical FOV 59° to 24°, diagonal FOV 141° to 48°; 8 to 32 mm, horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm, horizontal FOV 115° to 42°, vertical FOV 59° to 24°, diagonal FOV 141° to 48°; 8 to 32 mm, horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm, horizontal FOV 112° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47°; 8 to 32 mm, horizontal FOV 42° to 15°, vertical FOV 23° to 8°, diagonal FOV 49° to 17°	2.8 to 12 mm, horizontal FOV 69.7° to 30.8°, vertical FOV 38.6° to 17.4°, diagonal FOV 80.5° to 34.9°	2.8 mm, horizontal FOV 102.5°, vertical FOV 53.4°, diagonal FOV 118.9° 4 mm, horizontal FOV 80.2°, vertical FOV 40.8°, diagonal FOV 93.4° 6 mm, horizontal FOV 52.5°, vertical FOV 27.4°, diagonal FOV 60.2°
Max. IR Range	-I model: up to 100 m IR range -L model: up to 30 m whitelight range	-I model: up to 100 m IR range -L model: up to 30 m whitelight range	-I model: up to 100 m IR range -L model: up to 30 m whitelight range	Up to 50 m	-
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, Scene change detection, audio exception detection (-S model), defocus detection, Face Capture, Hard Hat Detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, Scene change detection, audio exception detection (-S model), defocus detection, Face Capture, Hard Hat Detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, Scene change detection, audio exception detection (-S model), defocus detection, Face Capture, Hard Hat Detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)) Scene change detection, audio exception detection, defocus detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Scene change detection, unattended baggage detection, object removal detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 720); 60Hz: 60fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720); 60Hz: 30fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720); 60Hz: 30fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps 60 Hz: 30 fps	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	5	5	5	3	3
Protection Level	IP68	IP68	IP68	IP68	IP68
Angle Adjustment	-	-	-	-	Pan: 0° to 340°, tilt: 0° to 75°
Operating Temperature	H model: -40 °C to +60 °C (-40 °F to +140 °F) Without -H model: -30 °C to +60 °C (-22 °F to +140 °F)	H model: -40 °C to +60 °C (-40 °F to +140 °F) Without -H model: -30 °C to +60 °C (-22 °F to +140 °F)	H model: -40 °C to +60 °C (-40 °F to +140 °F) Without -H model: -30 °C to +60 °C (-22 °F to +140 °F)	--30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F).
Operating Humidity	≤ 95%	≤ 95%	≤ 95%	95% or less (non-condensing)	95% or less (non-condensing)
Local Storage	256 GB	256 GB	256 GB	256 GB	128 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 input (line in), 1 output (line out)	1 input (line in), 1 output (line out)
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 alarm input, 1 alarm output	1 alarm input, 1 alarm output (supports max. 24 VDC, 1 A or 110 VAC, 500 mA)
Installation	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power Supply	100 to 240 VAC, PoE (42.5 to 57 V, 802.3 at), terminal block	100 to 240 VAC, PoE (42.5 to 57 V, 802.3 at), terminal block	100 VAC to 240 VAC, three-core terminal block PoE (802.3at, class 4)	100 VAC to 240 VAC, 0.2 A, 50/60 Hz, max. 12 W, three-core terminal block PoE: 802.3af, Class 3, 36 to 57 V, 0.3 to 0.2 A, max. 12 W	12 VDC ± 20%, 0.8 A, max. 10 W, two-core terminal block PoE: 802.3af, Class 3, 36 V to 57 V, 0.3 A to 0.2 A, max. 12.5 W

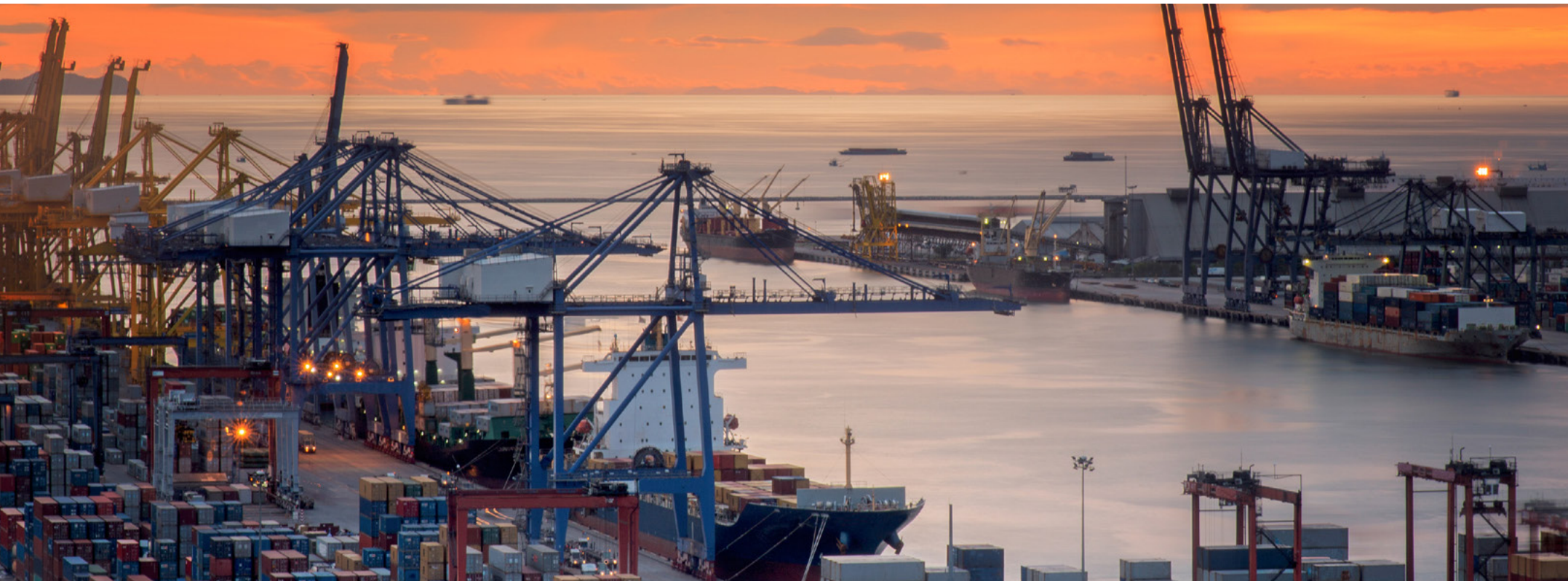
Model	DS-2DY9236I-CWX (W/316L)	DS-2DF6223-CX (W316L)	DS-2DF4220-DX	DS-2DF4220-DX(S6/316L)	DS-2DF4220-DX(S6/316L)
Image	 ⚡ (ATEX, IECEX, NEMA 4X)	 ⚡ (ATEX, IECEX, NEMA 4X)	 NEW (ATEX, IECEX, C5, NEMA 4X)	 NEW (ATEX, IECEX)	 ⚡ HOT (ATEX, IECEX)
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	1920 × 1080	2560 × 1440	1920 × 1080
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Main Stream: H.265+ / H.265 / H.264+ / H.264	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Min. Illumination	color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.5, AGC ON) B/W: 0.0001 Lux @ (F1.5, AGC ON)	Color: 0.0005 Lux @ (F1.5, AGC ON) B/W: 0.0001 Lux @ (F1.5, AGC ON)	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON)	color: 0.005Lux @ (F1.6, AGC ON) B/W: 0.001Lux @ (F1.6, AGC ON)
WDR	120 dB	120 dB	120 dB	120dB	120dB
Lens	6.0-216 mm, 36 × optical	5.9 mm to 135.7 mm, 23 × optical zoom	5.9 mm to 182.9 mm, 31 × optical zoom	4.8 mm to 96 mm, 20 × optical zoom	4.8 mm to 96 mm, 20 × optical
FOV	Horizontal field of view: 59° to 1.98° (wide-tele) Vertical field of view: 34.16° to 1.12° (wide-tele) Diagonal field of view: 67.1° to 2.3° (wide-tele)	Horizontal field of view: 58.5° to 3° (wide-tele) Vertical field of view: 34° to 1.7° (wide-tele) Diagonal field of view: 65.8° to 3.5° (wide-tele)	Horizontal field of view: 58.5° to 2.4° (wide-tele) Vertical field of view: 34° to 1.3° (wide-tele) Diagonal field of view: 65.8° to 2.7° (wide-tele)	Horizontal field of view: 55° to 2.6°, vertical field of view: 30.6° to 1.5°, diagonal field of view: 60.5° to 3.0°	Horizontal field of view: 57.6° to 3.4° (wide-tele), Vertical field of view: 34.4° to 2° (wide-tele), Diagonal field of view: 64.5° to 3.9° (wide-tele)
Max. IR Range	150 m	-	-	-	-
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Face Capture	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Face Capture	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Face Capture	intrusion detection, Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, Face detection	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, face detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720);	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720);	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	3	3	3		3
Protection Level	IP68, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection	IP68, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Angle Adjustment	360° endless From -90° to 90° (auto flip)	-	-	-	-
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-30°C to 60°C (-22°F to 140°F)	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	≤ 90%	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	256GB	256GB	256GB	256GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	-	-
Alarm I/O	7-ch alarm input and 2-ch alarm output	7 in, 2 out	7 in, 2 out	1 in, 1 out	1 in, 1 out
Installation	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power Supply	100 VAC to 240 VAC Max.: 100 W (Max. 15 W for IR)	100 VAC to 240 VAC, Max.: 60 W	100 VAC to 240 VAC, Max.: 60 W	12 VDC ± 25%, max. 7 W, PoE (802.3af), Class A, 36 to 57 V, max. 7 W	DC9 V to 12 V, Max. 7 W; PoE

Model	DS-20B42231-CX(WE/316L)	DS-20B42361-CWX(WE/316L)	DS-20F4220-DX(S6)(C)	DS-20F4420-DX(S6)(C)(304)
Image	  ATEX, IECEx, NEMA 4X	  ATEX, IECEx, NEMA 4X	 ATEX, IECEx	 ATEX, IECEx
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	1920 × 1080	2560 × 1440
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main stream: H.265/H.264/H.265+/H.264+	Main stream: H.265/H.264/H.265+/H.264+
Min. Illumination	color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.5, AGC ON) B/W: 0.0001 Lux @ (F1.5, AGC ON)	0.005Lux @ (F1.6, AGC ON)	0.005Lux @ (F1.6, AGC ON)
WDR	120 dB	120 dB	120dB	120dB
Lens	6.0-216 mm, 36 × optical	5.9 mm to 135.7 mm, 23 × optical zoom	4.8 mm to 96 mm	4.8 mm to 96 mm
FOV	Horizontal field of view: 59° to 1.98° [wide-tele] Vertical field of view: 34.16° to 1.12° [wide-tele] Diagonal field of view: 67.1° to 2.3° [wide-tele]	Horizontal field of view: 58.5° to 3° [wide-tele] Vertical field of view: 34° to 1.7° [wide-tele] Diagonal field of view: 65.8° to 3.5° [wide-tele]	Horizontal field of view: 57.6° to 3.4°, vertical field of view: 34.4° to 2°, diagonal field of view: 64.5° to 3.9°	Horizontal field of view: 55° to 2.6°, vertical field of view: 30.6° to 1.5°, diagonal field of view: 60.5° to 3.0°
Max. IR Range	150 m	-	-	-
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Face Capture	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Face Capture	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, face detection	intrusion detection, Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, Face detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720);	50 Hz: 25 fps 60 Hz: 30 fps	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	3	3	3	3
Protection Level	IP68, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68	IP68
Angle Adjustment	360° endless From -90° to 90° [auto flip]	-	Movement Range (Pan): 360° endless Movement Range (Tilt): 0° to 90° [Auto Flip]	Movement Range (Pan): 360° endless Movement Range (Tilt): 0° to 90° [Auto Flip]
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	≤ 90%	≤ 95%	95% or less	95% or less
Local Storage	256GB	256GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	-	-
Alarm I/O	7-ch alarm input and 2-ch alarm output	7 in, 2 out	1 in, 1 out	1 in, 1 out
Installation	Outdoor	Outdoor	Outdoor	Outdoor
Power Supply	100 VAC to 240 VAC Max.: 100 W (Max. 15 W for IR)	100 VAC to 240 VAC, Max.: 60 W	12 VDC ± 25%, max. 7 W, PoE (802.3af), Class A, 36 to 57 V, max. 7 W	12 VDC ± 25%, max. 7 W, PoE (802.3af), Class A, 36 to 57 V, max. 7 W




Anti-Corrosion Series

The Best Choice for Critical Industry Applications

- › Anti-corrosion certification: NEMA-4X, C5
- › 316L Stainless Steel housing and anticorrosive coating
- › DarkFighter technology
- › ANPR, perimeter protection, and facial recognition based on Deep Learning
- › H.265+/H.265 codec




Underwater Camera

Model	DS-2XC622460-L	DS-2XC624460-L	DS-2XC624560-L
Image			
Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	2688 × 1520
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON), 0.003 Lux @ (F2.0, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON), 0.0003 Lux @ (F2.0, AGC ON), 0 lux with white light	Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 0 Lux with Light	Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 0 Lux with Light
WDR	120 dB	120 dB	120 dB
Lens	2.0 mm @ F2.2, 2.8 mm @ F1.6, 4 mm @ F1.6	Varifocal lens, 3 to 9 mm	Varifocal lens, 3 to 9 mm
FOV	2.0 mm @ F2.2, horizontal FOV 127.6°, vertical FOV 74.5°, diagonal FOV 145.9° 2.8 mm @ F1.6, horizontal FOV 108°, vertical FOV 56.7°, diagonal FOV 121.4° 4 mm @ F1.6, horizontal FOV 82°, vertical FOV 43.8°, diagonal FOV 96.5°	3 to 9 mm, horizontal FOV 87° to 45.8°, vertical FOV 46° to 25.6°, diagonal FOV 104° to 52.4°	3 to 9 mm, horizontal FOV 87° to 45.8°, vertical FOV 46° to 25.6°, diagonal FOV 104° to 52.4°
Max. White Light Range	10 m	10 m	10 m
VCA	N/A	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Scene change detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Scene change detection, unattended baggage detection, object removal detection
Frame Rate	H.265/H.264 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	H.265/H.264 50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)	H.265/H.264 50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3
Protection Level	IP68	IP68	IP68
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	≤ 100%	≤ 100%	≤ 100%
Local Storage	128 GB	128 GB	128 GB
Audio I/O	-	-	-
Alarm I/O	-	-	-
Installation	-	-	-
Power Supply	36 VDC ± 20%, two-core terminal block, PoE (802.3at, class 3)	36 VDC ± 20%, 0.6 A, max. 17 W, two-core terminal block PoE (802.3at, Class 3, 42.5 V to 57 V), 0.45 A to 0.3 A, 17 W	36 VDC ± 20%, 0.6 A, max. 17 W, two-core terminal block PoE (802.3at, Class 3, 42.5 V to 57 V), 0.45 A to 0.3 A, 17 W

Camera

Model	DS-2XC662560-IZHRS	DS-2XC664560-IZHRS	DS-2XC668560-IZHRS
Image	 NEMA 4X, C5	 NEMA 4X, C5	 NEMA 4X, C5
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3840 × 2160
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.0005 Lux @(F1.2, AGC ON) B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @(F1.2, AGC ON) B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @(F1.2, AGC ON) B/W: 0.0002 Lux @(F1.2, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB
Lens	2.8 to 12 mm, 8 to 32mm	2.8 to 12 mm, 8 to 32mm	2.8 to 12 mm, 8 to 32mm
FOV	2.8 – 12 mm, F1.4: horizontal field of view, 94.2° to 38.1° 8 – 32 mm, F1.7: horizontal field of view, 42.2° to 15.1°	2.8 – 12 mm, F1.4: horizontal field of view, 94.2° to 38.1° 8 – 32 mm, F1.4: horizontal field of view, 42.2° to 15.1°	2.8 – 12 mm, F1.4: horizontal field of view, 94.8° to 38.2° 8 – 32 mm, F1.4: horizontal field of view, 41.8° to 14.9°
Max. IR Range	2.8-12 mm: 80 m 8-32 mm: 150 m	2.8-12 mm: 80 m 8-32 mm: 150 m	2.8-12 mm: 80 m 8-32 mm: 150 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 20fps (3840 × 2160, 3072 × 1728), 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20fps (3840 × 2160, 3072 × 1728), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3
Protection Level	IP67	IP67	IP67
Angle Adjustment	-	-	-
Operating Temperature	-	-	-
Operating Humidity	-	-	-
Local Storage	256 GB	256 GB	256 GB
Audio I/O	-	-	-
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out
Installation	Outdoor	Outdoor	Outdoor
Power Supply	AC: 24V±20%; PoE: 802.3at	AC: 24V±20%; PoE: 802.3at	AC: 24V±20%; PoE: 802.3at

PTZ

Model	DS-2DT6232X-AELY(T5)
Image	 DarkFighter+ NEMA 4X, C5
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Video Compression	H.264 / MJPEG / MPEG4
Min. Illumination	Color: 0.002 Lux @(F1.5, AGC ON), B/W: 0.0002 Lux @(F1.5, AGC ON)
WDR	v 140 dB
Lens	5.9 mm to 188.8 mm, 32 × Optical
FOV	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)
Max. IR Range	-
VCA	intrusion detection, line crossing detection, region entrance detection, region exiting detection, loitering detection, people gathering detection, fast moving detection, parking detection, unattended baggage detection, object removal detection, vandal-proof alarm, audio exception detection, Face capture
Frame Rate	50Hz: 25fps (1920×1080, 1280×960, 1280×720) 60Hz: 30fps (1920×1080, 1280×960, 1280×720)
Multi-Streaming	3
Protection Level	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10
Operating Temperature	-40° C to 65° C (-40° F to 149° F)
Operating Humidity	≤ 95%
Local Storage	256 GB
Audio I/O	1/1
Alarm I/O	7/2
Installation	Outdoor
Power Supply	24 VAC Hi-PoE

Network Camera PTZ Dome Camera Panoramic Camera Explosion-Proof & Anti-Corrosion Series NVR Network Storage Data Center Thermal Software Accessories DORI Distance

NVR

087 DeepinMind Series

099 Ultra Series






DeepinMind Series NVR







Deeper Intelligence for Expansive Security

- › Embedded industry-leading Deep Learning algorithms
- › GPU-based designs
- › Intelligent analytics and advanced storage in one
- › Fast and accurate recognition or detection of faces, human bodies, vehicles, and falling objects, as well as perimeter protection
- › Enable advanced video analytics with conventional cameras deployed in early projects













Model	iDS-9616NXI-M8/X	iDS-9632NXI-M8/X
Image	 DeepinMind	 DeepinMind
Hardware Platform	-	-
No. of Channels	16-ch	32-ch
Decoding Format	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+
Incoming/Outgoing Bandwidth	320 Mbps/400 Mbps	320 Mbps/400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Display LCD	2 HDMI / 2 VGA -	2 HDMI / 2 VGA -
Storage Capacity	8 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Video Output	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/9	16/9
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm
Power Consumption (without HDD)	≤ 50 W	≤ 50 W
Description	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)







Model	iDS-9664NXI-M8/X
Image	 DeepinMind
No. of Channels	64-ch
Decoding Format	H.265/H.265+/H.264/H.264+
Incoming/Outgoing Bandwidth	320 Mbps/400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Display LCD	2 HDMI / 2 VGA -
Storage Capacity	8 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10
Video Output	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/9
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm
Power Consumption (without HDD)	≤ 50 W
Description	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)



Model	IDS-9616NXI-M8R/X	IDS-9632NXI-M8R/X	IDS-9664NXI-M8R/X
Image	 NEW 	 NEW 	 NEW 
No. of Channels	16-ch	32-ch	64-ch
Decoding Format	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+
Incoming/Outgoing Bandwidth	320 Mbps/400 Mbps	320 Mbps/400 Mbps	320 Mbps/400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
LCD	-	-	-
Storage Capacity	8 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Video Output	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2 :4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2 :4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2 :4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/9	16/9	16/9
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm
Power Consumption (without HDD)	≤ 50 W (redundant power supplies)	≤ 50 W (redundant power supplies)	≤ 50 W (redundant power supplies)
Description	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)





Model	IDS-9632NXI-M16/X	IDS-9664NXI-M16/X	IDS-9632NXI-M16R/X	IDS-9664NXI-M16R/X
Image	 DeepinMind	 DeepinMind	 DeepinMind	 DeepinMind
No. of Channels	32-ch	64-ch	32-ch	64-ch
Decoding Format	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+
Incoming/Outgoing Bandwidth	320 Mbps/400 Mbps	400 Mbps/400 Mbps	320 Mbps/400 Mbps	400 Mbps/400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
LCD	-	-	-	-
Storage Capacity	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAIDO, RAID1, RAID5, RAID6, RAID10	RAIDO, RAID1, RAID5, RAID6, RAID10	RAIDO, RAID1, RAID5, RAID6, RAID10	RAIDO, RAID1, RAID5, RAID6, RAID10
Video Output	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2 :4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2 :4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2 :4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2 :4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/9	16/9	16/9	16/9
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR(Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm
Power Consumption (without HDD)	≤ 50 W	≤ 50 W	≤ 50 W (redundant power supplies)	≤ 50 W (redundant power supplies)
Description	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture≤ 4 MB, total capacity ≤ 20 GB)	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture≤ 4 MB, total capacity ≤ 20 GB)	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture≤ 4 MB, total capacity ≤ 20 GB)	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 500,000 face pictures in face capture (each picture≤ 4 MB, total capacity ≤ 20 GB)






Model	IDS-96128NXI-I24	IDS-96128NXI-I16	IDS-96064NXI-I16	IDS-9664NXI-I16/X
Image	 DeepinMind	 DeepinMind	 DeepinMind	 DeepinMind
Hardware Platform	Quad-Core Intel® Xeon® E3	Quad-Core Intel® Xeon® E3	Dual-Core Intel® Core® i3	Quad-core embedded processor
No. of Channels	128-ch	128-ch	64-ch	64-ch
Decoding Format	H.265+ / H.265 / H.264+ / H.264 / MJPEG / MPEG4	H.265+ / H.265 / H.264+ / H.264 / MJPEG / MPEG4	H.265+ / H.265 / H.264+ / H.264 / MJPEG / MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
Incoming/Outgoing Bandwidth	512 Mbps / 512 Mbps	512 Mbps / 512 Mbps	400 Mbps / 400 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/5-ch@8 MP (30 fps)/10-ch@4 MP (30 fps)/20-ch@1080p (30 fps)/40-ch@720p (30 fps)	1-ch@32 MP (8160 × 3616, 30 fps)/5-ch@8 MP(30 fps)/10-ch@4 MP(30 fps)/20-ch@1080p(30 fps)/40-ch@720p(30 fps)	1-ch@32 MP (30 fps)/5-ch@8 MP (30 fps)/10-ch@4 MP (30 fps)/20-ch@1080p (30 fps)/40-ch@720p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Display LCD	2 HDMI / 1 VGA 7-inch LCD	2 HDMI / 1 VGA 7-inch LCD	2 HDMI / 1 VGA -	2 HDMI / 2 VGA -
Storage Capacity	-	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface / 2 mini SAS interfaces	1 eSATA interface / 2 mini SAS interfaces	1 eSATA interface	1 eSATA interface
RAID Type	RAIDO, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)	RAIDO, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)	RAIDO, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)	RAIDO, RAID1, RAID5, RAID6, RAID10
Video Output	VGA: 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio Output	1-ch, RCA (2.0 Vp-p, 1 KΩ)	1-ch, RCA (2.0 Vp-p, 1 KΩ)	1-ch, RCA (2.0 Vp-p, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	48/24 (main board: 16/8; extension board: 32/16)	48/24 (main board: 16/8; extension board: 32/16)	16/8	16/8
Network Interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-	-
USB Port	Front panel: 1 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization
Power Consumption (without HDD)	≤ 140 W	≤ 140 W	≤ 140 W	≤ 70 W
Description	64 libraries with 500,000 face pictures in total Face picture comparison and alarm linkage actions for up to 96 channels False alarm reduction for up to 96 channels 2MP Up to 48-ch 2MP Video Structuralization	64 libraries with 500,000 face pictures in total Face picture comparison and alarm linkage actions for up to 96 channels False alarm reduction for up to 96 channels 2MP Up to 48-ch 2MP Video Structuralization	64 libraries with 500,000 face pictures in total Face picture comparison and alarm linkage actions for up to 48 channels False alarm reduction for up to 48 channels 2MP Up to 24-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization

Model	IDS-9632NXI-I16/X	IDS-9616NXI-I16/X	IDS-9664NXI-I8/X
Image	 	 	 
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
No. of Channels	32-ch	16-ch	64-ch
Decoding Format	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
Incoming/Outgoing Bandwidth	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF /DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF /DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF /DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
LCD	-	-	-
Storage Capacity	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Video Output	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/8	16/8	16/8
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization
Power Consumption (without HDD)	≤ 70 W	≤ 70 W	≤ 70 W
Description	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization





Model	IDS-9632NXI-I8/X	IDS-9616NXI-I8/X	IDS-9632NXI-I8/BA
Image	 	 	 
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
No. of Channels	32-ch	16-ch	32-ch
Decoding Format	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
Incoming/Outgoing Bandwidth	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 256 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/OCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/OCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/OCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
LCD	-	-	-
Storage Capacity	8 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Video Output	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/8	16/8	16/8
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for not wearing hard hat detection and behavior analysis, including people running detection, people gathering detection, violent motion detection, using mobile phone detection, etc.
Power Consumption (without HDD)	≤ 70 W	≤ 70 W	≤ 70 W
Description	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	Up to 8-ch 4MP , facial recognition is supported for people not wearing hard hat; Up to 8-ch 4MP, including absence detection, staying overtime detection, number of people exception detection, and playing mobile phone detection; Up to 8-ch 4MP, including people gathering detection, people running detection, physical conflict detection, and people falling down detection; Up to 8-ch 4MP, including people counting statistics and regional people counting

Model	IDS-7716NXI-M4/16P/X	IDS-7732NXI-M4/16P/X
Image	 <p style="text-align: right;">DeepinMind</p>	 <p style="text-align: right;">DeepinMind</p>
Hardware Platform	-	-
Channel No.	16-ch	32-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/16-ch@4MP (30 fps)	2-ch@32 MP (30 fps)/16-ch@4MP (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA
LCD	-	-
Storage Capacity	4 SATA interfaces Up to 14 TB capacity for each HDD	4 SATA interfaces Up to 14 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface
RAID Type	-	-
Video Output	VGA: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.	VGA: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/4	16/4
Network Interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting POS information overlay on live view and playback, and POS triggered recording and alarm
Power Consumption (without HDD)	≤ 50 W (without HDD and PoE off)	≤ 50 W (without HDD and PoE off)
Description	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)

Model	ids-7716NXI-I4/X	ids-7716NXI-I4/16P/X	ids-7732NXI-I4/X	ids-7732NXI-I4/16P/X
Image	 DeepinMind	 DeepinMind	 DeepinMind	 DeepinMind
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
Channel No.	16-ch	16-ch	32-ch	32-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	16-ch @ 1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	16-ch @ 1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA
LCD	-	-	-	-
Storage Capacity	4 SATA interfaces Up to 10 TB capacity for each HDD	4 SATA interfaces Up to 10 TB capacity for each HDD	4 SATA interfaces Up to 10 TB capacity for each HDD	4 SATA interfaces Up to 10 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	-	-	-	-
Video Output	VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/8	16/8	16/8	16/8
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface	-	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization
Power Consumption (without HDD)	≤ 30 W	≤ 30 W	≤ 30 W	≤ 30 W
Description	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 8-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 8-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 8-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 8-ch 2MP Video Structuralization

Model	IDS-7608NXI-M2/X	IDS-7608NXI-M2/8P/X	IDS-7616NXI-M2/X	IDS-7616NXI-M2/16P/X	IDS-7632NXI-M2/X
Image	 DeepinMind	 DeepinMind	 DeepinMind	 DeepinMind	 DeepinMind
Hardware Platform	-	-	-	-	-
Channel No.	8-ch	8-ch	16-ch	16-ch	32-ch
Decoding Format	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+
Incoming/Outgoing Bandwidth	128 Mbps / 256 Mbps	128 Mbps / 256 Mbps	256 Mbps / 256 Mbps	256 Mbps / 256 Mbps	320 Mbps / 400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/8-ch@8 MP (25 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (25 fps)	2-ch@32 MP (30 fps)/16-ch@4 MP (30 fps)	2-ch@32 MP (30 fps)/16-ch@4 MP (30 fps)	2-ch@32 MP (30 fps)/32-ch@1080P (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/ CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/ CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/ CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/ CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/ CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Display	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS
LCD	-	-	-	-	-
Storage Capacity	2 SATA interfaces Up to 14 TB capacity for each HDD	2 SATA interfaces Up to 14 TB capacity for each HDD	2 SATA interfaces Up to 14 TB capacity for each HDD	2 SATA interfaces Up to 14 TB capacity for each HDD	2 SATA interfaces Up to 14 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	-	-	-	-	-
Video Output	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	4/1	4/1	4/1	4/1	4/1
Network Interface	2, RJ-45 10/100/1001 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1001 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	8 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces	-	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces	-
USB Port	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events ③ Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting ③ POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events ③ Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting ③ POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events ③ Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting ③ POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events ③ Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting ③ POS information overlay on live view and playback, and POS triggered recording and alarm	Support multiple VCA (Video Content Analytics) events ③ Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting ③ POS information overlay on live view and playback, and POS triggered recording and alarm
Power Consumption (without HDD)	≤ 50 W	≤ 50 W (without HDD and PoE off)	≤ 50 W	≤ 50 W (without HDD and PoE off)	≤ 50 W
Description	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 21 GB)	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 22 GB)	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 21 GB)

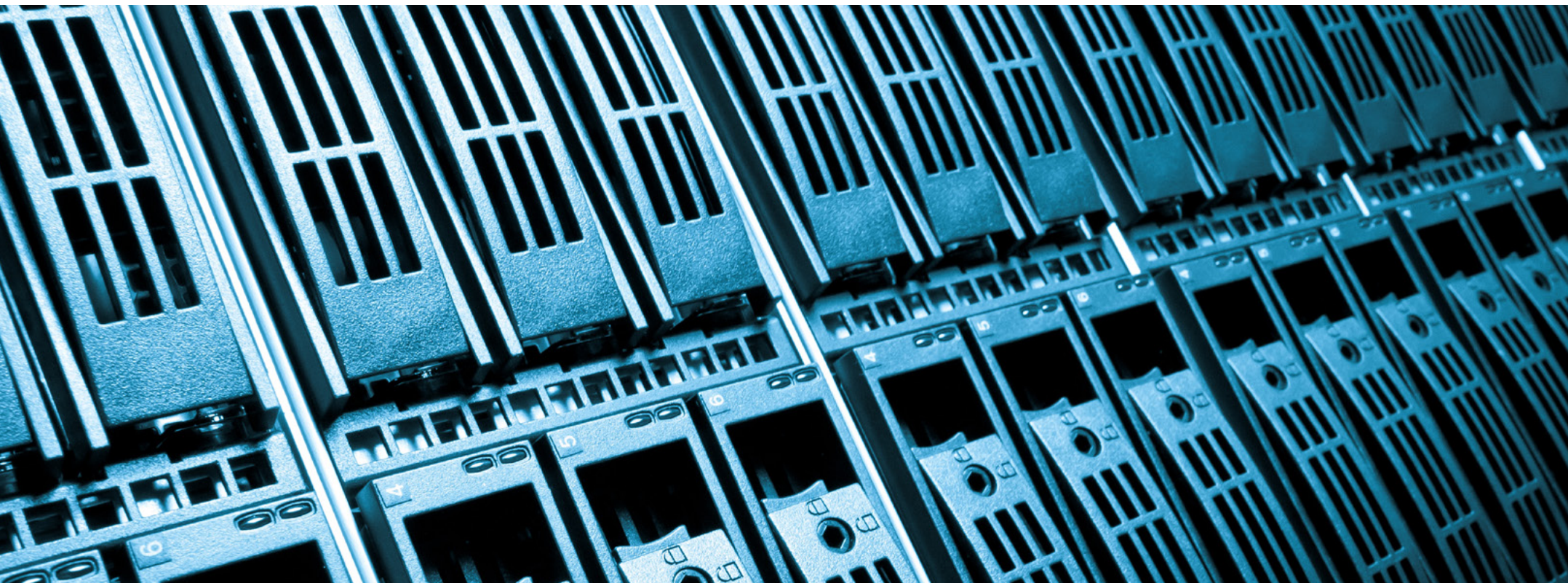
Model	ids-7608NXI-I2/X	ids-7608NXI-I2/8P/X	ids-7616NXI-I2/X	ids-7616NXI-I2/16P/X
Image	 DeepinMind	 DeepinMind	 DeepinMind	 DeepinMind
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
Channel No.	8-ch	8-ch	16-ch	16-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	16-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
Display	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS
LCD	-	-	-	-
Storage Capacity	2 SATA interfaces Up to 10 TB capacity for each HDD	2 SATA interfaces Up to 10 TB capacity for each HDD	2 SATA interfaces Up to 10 TB capacity for each HDD	2 SATA interfaces Up to 10 TB capacity for each HDD
eSATA / Mini SAS	-	-	-	-
RAID Type	-	-	-	-
Video Output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	4/1	4/1	4/1	4/1
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	8, RJ-45 10/100 Mbps self-adaptive Ethernet interface	-	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
USB Port	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization
Power Consumption (without HDD)	≤ 30 W	≤ 30 W	≤ 30 W	≤ 30 W
Description	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 8 channels Up to 8-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 8 channels Up to 8-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 8-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 8-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization





Model	IDS-6716NXI-I/S	IDS-6708NXI-I/FA	IDS-6704NXI-I/BA	IDS-6704NXI/AI
Image	 DeepinMind	 DeepinMind	 DeepinMind	 DeepinMind
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	-
Channel No.	16-ch	8-ch	4-ch	4-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265+/H.265/H.264+/H.264
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps	128 Mbps / 128 Mbps	320 Mbps / 256 Mbps	256 Mbps / 256 Mbps
Decoding Capacity	16-ch @ 1080p (30 fps)	8-ch@1080p (30 fps)	4-ch@8 MP (30 fps)	-
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p
Display	-	1 HDMI / 1 VGA	1 HDMI / 1 VGA	-
LCD	-	-	-	-
Storage Capacity	1 SATA interface 1 built-in 3.5-inch 2 TB SATA hard disk	1 SATA interface 1 built-in 3.5-inch 2 TB SATA hard disk	1 SATA interface 1 built-in 3.5-inch 2 TB SATA hard disk	-
eSATA/Mini SAS	-	-	-	-
RAID Type	-	-	-	-
Video Output	-	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	-
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	-
Alarm I/O	16/4	4/1	4/1	4/2
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-	-
USB Port	-	Rear panel: 1 × USB 3.0, 1 × USB 2.0	Rear panel: 1 × USB 3.0, 1 × USB 2.0	1 × USB 3.0
Smart Function	λλ Deep learning based video analytics for false alarm reduction; λ VCA search for false alarm reduction	λλ Deep learning based video analytics for facial recognition and face picture comparison	Deep learning based video analytics for not wearing hard hat detection and behavior analysis, including people running detection, people gathering detection, violent motion detection, using mobile phone detection, etc.	Importable algorithm models
Power Consumption (without HDD)	≤ 30 W	≤ 30 W	≤ 30 W	≤ 24 W
Description	Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms	16 libraries with 100,000 face pictures in total; Face picture comparison and alarm linkage actions for up to 8 channels	Up to 4-ch 4MP, facial recognition is supported for people not wearing hard hat 16 libraries 100000 pictures Up to 4-ch 4MP, including absence detection, staying overtime detection, number of people exception detection, and playing mobile phone detection Up to 4-ch 4MP, including people gathering detection, people running detection, physical conflict detection, and people falling down detection Up to 4-ch 4MP, including people counting statistics and regional people counting	Live Video Analysis: 4-ch for 4 MP resolution, or 2-ch for 8 MP resolution, support H.265+/H.265/H.264+/H.264 Auto-switch Video Analysis: Up to 4-ch, support H.265+/H.265/H.264+/H.264, up to 8 MP resolution Scheduled Capture Analysis: Up to 4-ch, picture resolution up to 4096 × 4096, each picture size ≤ 2 MB, support GIF/JPEG/TIFF/PNG/BMP picture formats Offline Picture Analysis: Each time upload up to 500 pictures to each engine, each picture size ≤ 2 MB, supportGIF/JPEG/TIFF/PNG/BMP picture formats

Ultra Series NVR


Superior Storage and Robust Recording






- Advanced hardware enables decoding and outputting video in up to 8K or dual 4K resolution
- H.265+/H.265, H.264+/H.264, MPEG4 self-adapting decoding
- Advanced streaming technology enables a smooth live feed even under imperfect network conditions
- Supports RAID 0, 1, 5, 6, 10 and N+M hot spare for even more reliable data storage, effectively reducing data loss risks
- Supports people counting cameras, automatic number plate recognition (ANPR) cameras, fisheye cameras, PanoVu camera and point-of-sale (POS) text overlay
- Supports IoT systems (CCTV and Non-CCTV convergence)












Model	DS-7608NI-M2	DS-7608NI-M2/8P	DS-7616NI-M2	DS-7616NI-M2/16P
Image				
Hardware Platform	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor
Channel No.	8-ch	8-ch	16-ch	16-ch
Decoding Format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Incoming/Outgoing Bandwidth	128 Mbps / 256 Mbps	128 Mbps / 256 Mbps	256 Mbps / 256 Mbps	256 Mbps / 256 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Display	1 HDMI / 1 VGA	1 HDMI / 1 VGA	1 HDMI / 1 VGA	1 HDMI / 1 VGA
Video Output	HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	-	-	-	-
Storage Capacity	2 SATA interfaces Up to 14 TB capacity for each disk	2 SATA interfaces Up to 14 TB capacity for each disk	2 SATA interfaces Up to 14 TB capacity for each disk	2 SATA interfaces Up to 14 TB capacity for each disk
eSATA / Mini SAS	-	-	-	-
RAID Type	-	-	-	-
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	4/1	4/1	4/1	4/1
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	8P	-	16P
USB Port	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 15 W	≤ 15 W	≤ 15 W	≤ 15 W
Description	-	-	-	-



Model	DS-7716NI-M4	DS-7716NI-M4/16P	DS-7732NI-M4	DS-7732NI-M4/16P	DS-7764NI-M4
Image					
Hardware Platform	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor
Channel No.	16-ch	16-ch	32-ch	32-ch	64-ch
Decoding Format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Incoming/Outgoing Bandwidth	256 Mbps / 256 Mbps	256 Mbps / 256 Mbps	320 Mbps / 400 Mbps	320 Mbps / 400 Mbps	400 Mbps / 400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@16 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@2 MP (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA
Video Output	HDMI 1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI 1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI 1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI 1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI 1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	-	-	-	-	-
Storage Capacity	4 SATA interfaces Up to 14 TB capacity for each disk	4 SATA interfaces Up to 14 TB capacity for each disk	4 SATA interfaces Up to 14 TB capacity for each disk	4 SATA interfaces Up to 14 TB capacity for each disk	4 SATA interfaces Up to 14 TB capacity for each disk
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	-	-	-	-	-
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/9	16/9	16/9	16/9	16/9
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	16P	-	16P	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 15 W	≤ 15 W	≤ 15 W	≤ 15 W	≤ 15 W
Description	-	-	-	-	-


Model	DS-9616NI-M8	DS-9632NI-M8	DS-9664NI-M8	DS-9616NI-M8/R	DS-9632NI-M8/R
Image				 Redundant power supply	 Redundant power supply
Hardware Platform	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor
Channel No.	16-ch	32-ch	64-ch	16-ch	32-ch
Decoding Format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Incoming/Outgoing Bandwidth	256 Mbps / 256 Mbps	320 Mbps / 400 Mbps	400 Mbps / 400 Mbps	256 Mbps / 256 Mbps	320 Mbps / 400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
Video Output	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	-	-	-	-	-
Storage Capacity	8 SATA interfaces Up to 14 TB capacity for each disk	8 SATA interfaces Up to 14 TB capacity for each disk	8 SATA interfaces Up to 14 TB capacity for each disk	8 SATA interfaces Up to 14 TB capacity for each disk	8 SATA interfaces Up to 14 TB capacity for each disk
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/9	16/9	16/9	16/9	16/9
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 50 W	≤ 50 W	≤ 50 W	≤ 50 W	≤ 50 W
Description	-	-	-	-	-




Model	DS-9664NI-M8/R	DS-9632NI-M16	DS-9664NI-M16	DS-9632NI-M16/R	DS-9664NI-M16/R
Image	 Redundant power supply			 Redundant power supply	 Redundant power supply
Hardware Platform	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor
Channel No.	64-ch	32-ch	64-ch	32-ch	64-ch
Decoding Format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Incoming/Outgoing Bandwidth	400 Mbps / 400 Mbps	320 Mbps / 400 Mbps	400 Mbps / 400 Mbps	320 Mbps / 400 Mbps	400 Mbps / 400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
Video Output	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	-	-	-	-	-
Storage Capacity	8 SATA interfaces Up to 14 TB capacity for each disk	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each disk	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each disk	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each disk	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each disk
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/9	16/9	16/9	16/9	16/9
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 50 W	≤ 50 W	≤ 50 W	≤ 50 W	≤ 50 W
Description	-	-	-	-	-

Model	DS-96128NI-M8	DS-96128NI-M8/R	DS-96128NI-M16	DS-96128NI-M16/R
Image		 Redundant power supply		 Redundant power supply
Hardware Platform	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor	Eight-core embedded processor
Channel No.	128-ch	128-ch	128-ch	128-ch
Decoding Format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.265	H.265+/H.265/H.264+/H.265	H.265+/H.265/H.264+/H.266
Incoming/Outgoing Bandwidth	400 Mbps / 400 Mbps	400 Mbps / 400 Mbps	400 Mbps / 400 Mbps	400 Mbps / 400 Mbps
Decoding Capacity	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30fps)/4-ch@16 MP (30fps)/8-ch@8 MP (30fps)/16-ch@4 MP (30fps)/32-ch@2 MP (30fps)	2-ch@32 MP (30 fps)/2-ch@24 MP (30fps)/4-ch@16 MP (30fps)/8-ch@8 MP (30fps)/16-ch@4 MP (30fps)/32-ch@2 MP (30fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
Video Output	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	-	-	-	-
Storage Capacity	8 SATA interfaces Up to 14 TB capacity for each disk	8 SATA interfaces Up to 14 TB capacity for each disk	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each disk	16 SATA interfaces supporting hot-plug Up to 14 TB capacity for each disk
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/9	16/9	16/9	16/9
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Smart Function	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras	Support multiple VCA (Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 50 W	≤ 50 W	≤ 50 W	≤ 50 W
Description	-	-	-	-

Model	DS-96256NI-I24/H	DS-96256NI-I24	DS-96128NI-I24/H	DS-96128NI-I24	DS-96256NI-I16
Image					
Hardware Platform	Intel Xeon E3 Quad-Core processor	Intel Xeon E3 Quad-Core processor	Intel Xeon E3 Quad-Core processor	Intel Core i3 Dual-Core processor	Intel Xeon E3 Quad-Core processor
Channel No.	256-ch	256-ch	128-ch	128-ch	256-ch
Decoding Format	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)
Incoming/Outgoing Bandwidth	768 Mbps / 768 Mbps 768 Mbps / 768 Mbps (RAID mode)	768 Mbps / 768 Mbps 768 Mbps / 768 Mbps (RAID mode)	768 Mbps / 512 Mbps 768 Mbps / 512 Mbps (RAID mode)	576 Mbps / 512 Mbps 576 Mbps / 512 Mbps (RAID mode)	768 Mbps / 768 Mbps 768 Mbps / 768 Mbps (RAID mode)
Decoding Capacity	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA
Video Output	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz
LCD	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)
Storage Capacity	24 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	24 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	24 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	24 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD
eSATA / Mini SAS	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)
RAID Type	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10
Audio Output	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)
Alarm I/O	16/8	16/8	16/8	16/8	16/8
Network Interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface
PoE Port	-	-	-	-	-
USB Port	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0
Smart Function	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map
Power Consumption (without HDD)	≤ 140W	≤ 140W	≤ 140W	≤ 140W	≤ 140W
Description	-	-	-	-	-

Model	DS-96256NI-I16/H	DS-96128NI-I16	DS-96128NI-I16/H	DS-96064NI-I16	DS-8632NI-K8	DS-8616NI-K8
Image		 HOT	 HOT			
Hardware Platform	Intel Xeon E3 Quad-Core processor	Intel Core i3 Dual-Core processor	Intel Core i3 Dual-Core processor	Intel Pentium Dual-Core processor	Quad-core embedded processor	Quad-core embedded processor
Channel No.	256-ch	128-ch	128-ch	64-ch	32-ch	16-ch
Decoding Format	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	768 Mbps / 768 Mbps 768 Mbps / 768 Mbps (RAID mode)	576 Mbps / 512 Mbps 576 Mbps / 512 Mbps (RAID mode)	768 Mbps / 512 Mbps 768 Mbps / 512 Mbps (RAID mode)	512 Mbps / 512 Mbps 512 Mbps / 400 Mbps (RAID mode)	256 Mbps / 160 Mbps	160 Mbps / 160 Mbps
Decoding Capacity	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p	2-ch @ 8 MP (25 fps) / 4-ch @ 4 MP (30 fps) / 8-ch @ 1080p (30 fps)	2-ch @ 8 MP (25 fps) / 4-ch @ 4 MP (30 fps) / 8-ch @ 1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF	8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
Video Output	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI1: 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	-	-
Storage Capacity	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	8 SATA interfaces Up to 6TB capacity for each HDD	8 SATA interfaces Up to 6TB capacity for each HDD
eSATA / Mini SAS	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	-	-
Audio Output	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/8	16/8	16/8	16/8	16/4	16/4
Network Interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces
PoE Port	-	-	-	-	-	-
USB Port	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 140W	≤ 140W	≤ 140W	≤ 140W	≤ 30 W	≤ 30 W
Description	-	-	-	-	-	-

Model	DS-9000AI-S16-D	DS-1F05-4H	DS-1F05-4H-16
Image			
Processor	Quad-Core Intel® Xeon® Processor E3 V5 Series	Apollo Lake J3455	Apollo Lake J3455
Operating System	Ubuntu Linux is installed by default. Microsoft Windows, including Windows 7E, Windows 10, and Windows Server 2012 R2 can be installed	-	-
System Disk (OS,VMS)	Industrial-level SSD with 128 GB capacity	MSata Optional 64GB,128GB..	MSata Optional 64GB,128GB..
Memory	8 GB DDR4, ECC parity, Extendable up to 64 GB	4 GB	4 GB
No. of Channels	-	-	-
Decoding Format	-	-	-
Incoming/Outgoing Bandwidth	-	-	-
Decoding Capacity	-	-	-
Recording Resolution	-	-	-
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA
LCD	-	-	-
Storage Capacity	16 SATA interfaces Up to 10 TB for each HDD	4, 3.5" SATA HDDs	4, 3.5" SATA HDDs
eSATA / Mini SAS	1 × eSATA interface 2 × mini SAS interface (optional)	-	-
RAID Type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	-	-
Video Output	VGA:1-ch, resolution: 1080p (1920x1080)/60Hz, UXGA (1600x1200)/60Hz, SXGA(1280x1024)/60Hz, 720p (1280x 720)/60Hz, XGA (1024x768)/60Hz HDMI:Two independent HDMI outputs, resolution: 4K (4096x2160), 4K(3840x2160)/30Hz, 2K (2560x1440)/60Hz, 1080p (1920x1080)/60Hz, UXGA (1600x1200)/60Hz, SXGA (1280x1024)/60Hz, 720p (1280x720)/60Hz, XGA (1024x768)/60Hz	VGA: 1920 × 1080/60Hz HDMI: 4K,1080p	VGA: 1920 × 1080/60Hz HDMI: 4K,1080p
Audio Output	1-ch, RCA (2.0 Vp-p, 1 KΩ)	Line In/Line Out(Rear Panel)	Line In/Line Out(Rear Panel)
Alarm I/O	16/8	4/2(Rear Panel)	4/2(Rear Panel)
Network Interface	4 × RJ45 10M/100M/1000M self-adaptive Ethernet interface	1	1
PoE Port	-	-	16
USB Port	Rear panel: 2 × USB 3.0	2, USB 2.0; (Rear Panel) 2, USB 3.0; (Rear Panel)	2, USB 2.0; (Rear Panel) 2, USB 3.0; (Rear Panel)
Smart Function	-	-	-
Power Consumption (without HDD)	≤ 350 W	≤ 30 W	≤ 180 W
Chassis	-	19" 1.5U chassis	19" 1.5U chassis
Description	-	-	-

Model	DS-WSPLI-T2	DS-1F05-2H	DS-1F05-2H-8	DS-WSPLI-T4	DS-WSPLI-T8
Image					
Processor	Intel® Core™ i5-8500 Processor (9M Cache, 3.00 GHz, up to 4.10 GHz) Optional: G4900, I3-8100, I7-8700, E-2176G	Apollo Lake J3455	Apollo Lake J3455	Intel® Core™ i5-8500 Processor (9M Cache, 3.00 GHz, up to 4.10 GHz) Optional: G4900, I3-8100, I7-8700, E-2176G	Intel® Core™ i5-8500 Processor (9M Cache, 3.00 GHz, up to 4.10 GHz) Optional: G4900, I3-8100, I7-8700, E-2176G
Operating System	Ubuntu 18.04.2	-	-	Ubuntu 18.04.2	DS-WSPLI-T (08) series: Ubuntu 18.04.2
System Disk (OS,VMS)	mSATA 128 GB Optional: mSATA 64 GB	EMMC Optional	EMMC Optional	mSATA 128 GB Optional: mSATA 64 GB	mSATA 128 GB Optional: mSATA 64 GB
Memory	8 GB Optional: 16 GB	4GB	4GB	8 GB Optional: 16 GB	DDR4, 8 GB Optional: DDR4, 16 GB
No. of Channels	-	-	-	-	-
Decoding Format	-	-	-	-	-
Incoming/Outgoing Bandwidth	-	-	-	-	-
Decoding Capacity	-	-	-	-	-
Recording Resolution	-	-	-	-	-
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA
LCD	-	-	-	-	-
Storage Capacity	2 SATA interfaces Up to 8 TB for each HDD	2, 3.5" SATA HDDs	2, 3.5" SATA HDDs	4 SATA interfaces Up to 8 TB for each HDD	8 SATA interfaces Up to 8 TB for each HDD
eSATA / Mini SAS	-	-	-	-	-
RAID Type	-	-	-	-	-
Video Output	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600×1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1920 × 1080/60Hz HDMI:: 4K,1080p	VGA: 1920 × 1080/60Hz HDMI:: 4K,1080p	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio Output	1-ch, 3.5 mm audio connector	Line In/Line Out(Rear Panel)	Line In/Line Out(Rear Panel)	1-ch, 3.5 mm audio connector	1-ch, 3.5 mm audio connector
Alarm I/O	4/2	4/2(Rear Panel)	4/2(Rear Panel)	4/2	4/2
Network Interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2	2	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2 × RJ45 10M/100M/1000M self-adaptive Ethernet interface
PoE Port	-	-	8	-	-
USB Port	Front panel: 2 × USB 2.0, rear panel: 4 × USB 3.0	2, USB 2.0; (Rear Panel) 2, USB 3.0; (Rear Panel)	2, USB 2.0; (Rear Panel) 2, USB 3.0; (Rear Panel)	Front panel: 2 × USB 2.0, rear panel: 4 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 4 × USB 3.0
Smart Function	-	-	-	-	-
Power Consumption (without HDD)	≤ 150 W	≤ 30 W	≤ 250 W	≤ 150 W	≤ 150 W
Chassis	19-inch rack-mounted 1U chassis	19" 1U chassis	19" 1U chassis	19-inch rack-mounted 1.5U chassis	19-inch rack-mounted 2U chassis
Description	-	-	-	-	-

Network Storage

110 Hybrid SAN

114 Cluster Storage










Hikvision Hybrid SAN Products


Cost-Effective, Dedicated, Superior Data Security and Sustainability


- › Dual mode support: Video Direct Streaming and IPSAN
- › Video Direct Streaming mode eliminates need for recording servers, with excellent cost-effective video storage
- › Video stream-based R/W/Search operation, higher efficiency
- › Super N+1 failover (1 failover node to take over traffic of multiple faulty nodes) providing enhanced video safety
- › Proven lab and field compatibility in IPSAN mode with leading VMSs such as Milestone, AXXON, ISS, etc.
- › Supports local, remote, and scheduled backup
- › Hybrid SAN with pre-installed HDDs creates cost-effective solutions for long-term storage
- › Supports ONVIF, PSIA, and RTSP protocols and extended data retention (with third-party cameras such as Bosch, Axis, Sony, Samsung, etc.)




Model		DS-A81016S	DS-A71024R	DS-A82024D	DS-A72024R
Image					
Performance	Direct Streaming mode: video (2 Mbps) + picture	320-ch recording + playback	320-ch recording + playback	448-ch (recording + playback)	820-ch recording + playback
	IPSAN	180-ch recording + playback	180-ch recording + playback	256-ch (recording + playback)	-
Controller	Processor	One controller (64-bit multi-core processor)	One 64-bit embedded multi-core processor	Dual controller (64-bit multi-core processor)	Dual 64-bit multi-core processor
	Cache	4 GB (extendable to 32 GB)	4 GB (extendable to 64GB)	8 GB (extendable to 32 GB)/controller	8 GB (extendable to 128 GB)
HDD	HDD slot	16	24	24	24
	Interface/capacity	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB,	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB
	RAID	RAID0, 1, 3, 5, 6, 10, 50, JBOD, Hot-spare	RAID 0, 1, 3, 5, 6, 10, 50, ,JBOD, hot spare	RAID0, 1, 3, 5, 6, 10, 50, JBOD, Hot-Spare	RAID 0, 1, 3, 5, 6, 10, 50, JBOD, hot spare
Network	Protocol	iSCSI, RTSP, ONVIF, PSIA	iSCSI, RTSP, ONVIF, PSIA	iSCSI, RTSP, ONVIF, PSIA	iSCSI, RTSP, ONVIF, PSIA
Storage Management	Disk management	Disk inspection, alarm and repair	Disk inspection, alarm and repair	Disk inspection, alarm and repair	Disk inspection, alarm and repair
	Logical volume management	iSCSI volume, video volume management	iSCSI volume, video volume management	iSCSI volume, video volume management	iSCSI volume, video volume management
Recording Management	Recording mode	Timing recording, manual recording, dual-stream recording, alarm recording	Timing recording, manual recording, dual-stream recording, alarm recording	Timing recording, manual recording, dual-stream recording, alarm recording	Timing recording, manual recording, dual-stream recording, alarm recording
	Video protection	Lock key video, N+1 service protection, ANR, video loss detection and alarm	Lock key video, N+1 service protection, ANR, video loss detection and alarm	Lock key video, N+1 service protection, ANR, video loss detection and alarm	Lock key video, N+1 service protection, ANR, video loss detection and alarm
Device Maintenance	Management mode	Web-based GUI, serial port CLI, centralized management of multiple devices	Web-based GUI, serial port CLI, centralized management of multiple devices	Web-based GUI, serial port CLI, centralized management of multiple devices	Web-based GUI, serial port CLI, centralized management of multiple devices
	Alarm mode	Sound, light, email, message, web page	Sound, light, email, message, web page	Sound, light, email, message, web page	Sound, light, email, message, web page
External Interface	Data network interface	3, 1000M Ethernet interface	2, 1000M Ethernet interface (4 × 1GbE or 2 × 10GbE is extendable)	4, 1000M Ethernet interface (4 × GbE or 2 × 10GbE is extendable) per controller	4, 1000M Ethernet interface (4 × 1GbE or 2 × 10GbE is extendable)
	Management network interface	1, 1000M Ethernet interface	1, 1000M Ethernet interface/Controller	1, 1000M Ethernet interface/Controller	1, 1000M Ethernet interface/Controller
	Mini SAS interface	Supported	Supported	Supported	Supported
General	Power supply	Redundant	Redundant	Redundant	Redundant
	Dimensions(W × H × D)	3U Chassis(486 × 134 × 535 mm)	4U Chassis(445 × 175 × 746 mm)	4U Chassis(484 × 174 × 760 mm)	4U Chassis(445 × 175 × 746 mm)

Model		DS-AT1000S/240	DS-AT1000S/320	DS-AT1000S/480
Image				
Performance	Direct Streaming mode: video (2 Mbps) + picture	256-ch recording + playback	256-ch recording + playback	400-ch recording + playback
	IPSAN	-	-	-
Controller	Processor	64-bit multi-core processor	64-bit multi-core processor	64-bit multi-core processor
	Cache	12 GB (extendable to 32 GB)	12 GB (extendable to 32 GB)	16 GB (extendable to 32 GB)
HDD	HDD slot	16 (the device is packaged with 12 HDDs)	16 (the device is packaged with 16 HDDs)	24 (the device is packaged with 24 HDDs)
	Interface/capacity	SATA / 20 TB	SATA / 20 TB	SATA / 20 TB
	RAID	iRAID, RAID5, RAID6	iRAID, RAID5, RAID6	iRAID, RAID5, RAID6
Network	Protocol	RTSP, ONVIF, HKSDK	RTSP, ONVIF, HKSDK	RTSP, ONVIF, HKSDK
Storage Management	Disk management	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair
	Logical volume management	Recording volume management	Recording volume management	Recording volume management
Recording Management	Recording mode	Continuous recording, manual recording, and alarm recording	Continuous recording, manual recording, and alarm recording	Continuous recording, manual recording, and alarm recording
	Video protection	Video lock, video loss alarm	Video lock, video loss alarm	Video lock, video loss alarm
Device Maintenance	Management mode	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform
	Alarm mode	Audio, indicator, GUI	Audio, indicator, GUI	Audio, indicator, GUI
External Interface	Data network interface	3, 1000 Mbps Ethernet interface	3, 1000 Mbps Ethernet interface	4, 1000 Mbps Ethernet interface
	Management network interface	1, 1000 Mbps Ethernet interface	1, 1000 Mbps Ethernet interface	1, 1000 Mbps Ethernet interface
	Mini SAS interface	N/A	N/A	N/A
General	Power supply	Redundant	Redundant	Redundant
	Dimensions(W × H × D)	3U Chassis(486 x 134 x 535 mm)	3U Chassis(486 x 134 x 535 mm)	4U Chassis(484 x 174 x 724 mm)

Model		DS-AJ7824D
Image		
Controller Parameters	Controller	2 Controller
	SAS Interface (Upper-level)	2 (12 Gbps)
	SAS Interface (Lower-level)	1 (12 Gbps)
	HDD Interfaces	24
	HDD Interface Type	SAS
	Hot Swap HDD	Supported
	Power	Redundant (1+1)
	Applicable Models	DS-A82024D
	General	Chassis
Dimensions(W × H × D)		484 x 174 x 760 mm
Weight (without hard disk)		40 kg (88.2 lb)
Consumption (with max. hard disks)		≤ 550 W

Model		DS-AD82012D-ODL
Image		 NEW
Every Controller	Processor	multi-core processor
	Cache	8 GB
	Network Interface	4 × 10 Gbps per controller
	Array Channel	2 × 12Gb SAS
	Max. Storage Space	3.1 PB
	Max. Disk Number	264
	Enclosure	Multilevel
	Network Exchange	8 × 10 Gbps RJ45 interface, or 8 × 10 Gbps fiber optic interface, or 8 × 16GbFC interface, or 8 × 12GbSAS interface, or the mixture of 4 × 10 Gbps fiber optic interface and 4 × 16GbFC interface
	Power Supply	Redundant power supply (1+1)
	HDD Interfaces	12 (The default full match)
Cabinet	HDD Interface Type	SAS
	Application	support IPSAN,FCSAN (snapshot,replication,clone,Thin provisioning)
	Management Method	GUI based on web, in-band and out-band, support the unified management of multiple devices
	Management Software	Web browser and client software
Software	Dimension (W × D × H)	483 × 88 × 603 mm (19.0 × 3.5 × 23.7 inch), standard 2U chassis
	Weight (Maximum Capacity)	32 kg (70.5 lb)
	Consumption (without HDD)	≤ 580 W
	Temperature	Working temperature: 10 °C to 35 °C (50 °F to 95 °F) Storing temperature: -20 °C to 65 °C (-4 °F to 149 °F)
	Humidity	Working humidity: 20% to 80% RH (non-freezing, non-condensing) Storing humidity: 5% to 90% RH (non-freezing, non-condensing)
General	Chassis	standard 5U chassis
	Dimension (W × D × H)	483 × 222 × 975 mm (19.0 × 8.7 × 38.4 inch)
	Weight (Maximum Capacity)	135 kg (297.6 lb)
	Consumption (without HDD)	≤ 2200 W

Model		DS-AJ6884D-ODL
Image		 NEW
Controller Parameters	Controller	2 Controller
	HDD Interfaces	84 (The default full match)
	HDD Interface Type	SAS
	Enclosure	Multilevel
	Power	Redundant (1+1)
	Applicable Models	DS-AD82012D-ODL
	Chassis	standard 5U chassis
General	Dimension (W × D × H)	483 × 222 × 975 mm (19.0 × 8.7 × 38.4 inch)
	Weight (Maximum Capacity)	135 kg (297.6 lb)
	Consumption (without HDD)	≤ 2200 W





Hikvision Cluster Storage Products

High Performance, High Scalability, High Reliability, High Availability

- › Clustering technology creates load balancing and prevents single-point failure
- › Supports fault tolerance to prevent single device failure
- › Virtual management unifies storage resources to one pool for flexible utilization.
- › Storage types include video, images, files, and objects
- › Equipment-level redundancy reaches the highest levels of data security
- › Real-time online system capacity expansion; one cluster device can expand to up to 30,000 channels of video input and 300 PB storage
- › These products make use of ultra-fault-tolerant Network RAID technology (based on Erasure Code)
- › One IP for the entire storage system means easy maintenance
- › Video can be backed up locally and via cluster storage to improve system reliability



Cluster Storage

Model		DS-A81024S-ICVS	DS-A81048S-ICVS	DS-A83024S-ICVS	DS-A83048S-ICVS
Image		 HOT	 HOT	 HOT	 HOT
Performance	Standard cluster (2 Mbps)	240-ch	240-ch	600-ch	600-ch
	Standard cluster (4 Mbps)	150-ch	150-ch	300-ch	300-ch
Controller	Micro cluster (2 Mbps)	200-ch	200-ch	550-ch	550-ch
	Micro cluster (4 Mbps)	120-ch	120-ch	250-ch	250-ch
HDD	Processor	64-bit multi-core processors	64-bit multi-core processors	2,64-bit multi-core processors	2,64-bit multi-core processors
	Cache	16 GB	32 GB	64 GB (extendable to 384 GB)	64 GB (extendable to 384 GB)
	HDD slot	24	48	24	48
	Interface	SATA / SAS	SATA / SAS	SATA / SAS	SATA / SAS
	Capacity	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB (enterprise HDD)	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB (enterprise HDD)	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB (enterprise HDD)	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB (enterprise HDD)
	Hot-swapping	Supported	Supported	Supported	Supported
	RAID	IRAITD: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]	IRAITD: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]	IRAITD: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]	IRAITD: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]
Storage	Disk	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair
	Cache protection	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.
Recording	CVA	Device access, recording schedule, and stream forwarding services	Device access, recording schedule, and stream forwarding services	Device access, recording schedule, and stream forwarding services	Device access, recording schedule, and stream forwarding services
	CVS	Data storage, video/picture access, storage space, and data R/W services	Data storage, video/picture access, storage space, and data R/W services	Data storage, video/picture access, storage space, and data R/W services	Data storage, video/picture access, storage space, and data R/W services
Maintenance and Management	Management method	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform
	Alarm method	Audio, indicator, GUI	Audio, indicator, GUI	Audio, indicator, GUI	Audio, indicator, GUI
Network	Protocol	RTSP, ONVIF, PSIA, etc.	RTSP, ONVIF, PSIA, etc.	RTSP, ONVIF, PSIA, etc.	RTSP, ONVIF, PSIA, etc.
	Data network interface	4, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)	4, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)	6, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)	6, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)
Interfaces	Management network interface	1, 1000M Ethernet interface	1, 1000M Ethernet interface	1, 1000M Ethernet interface	1, 1000M Ethernet interface
	SAS extension interface	3, 12 Gbps SAS 3.0 interface	3, 12 Gbps SAS 3.0 interface	3, 12 Gbps SAS 3.0 interface	3, 12 Gbps SAS 3.0 interface
	COM interface	2 (1 for RS-232, 1 for RS-485)	2 (1 for RS-232, 1 for RS-485)	2 (1 for RS-232, 1 for RS-485)	2 (1 for RS-232, 1 for RS-485)
	USB interface	3 (2 × USB 3.0, 1 × USB 2.0)	3 (2 × USB 3.0, 1 × USB 2.0)	3 (2 × USB 3.0, 1 × USB 2.0)	3 (2 × USB 3.0, 1 × USB 2.0)
	VGA interface	1	1	-	-
	Power supply (rated)	Redundant 1 + 1, ≤ 550 W	Redundant 2 + 1, ≤ 1600 W	Redundant 1 + 1, ≤ 550 W	Redundant 2 + 1, ≤ 1600 W
General	Consumption (with HDDs)	≤ 420 W	≤ 710 W	≤ 484 W	≤ 763 W
	Environment temperature	Working: +5 °C to +35 °C (+41 °F to +95 °F) Storage: -20 °C to +70 °C (-4 °F to +158 °F)	Working: +5 °C to +35 °C (+41 °F to +95 °F) Storage: -20 °C to +70 °C (-4 °F to +158 °F)	Working: +5 °C to +35 °C (+41 °F to +95 °F) Storage: -20 °C to +70 °C (-4 °F to +158 °F)	Working: +5 °C to +35 °C (+41 °F to +95 °F) Storage: -20 °C to +70 °C (-4 °F to +158 °F)
	Environment humidity	Working: 20% to 80%RH (non-condensing/frozen) Storage: 5% to 90%RH (non-condensing/frozen)	Working: 20% to 80%RH (non-condensing/frozen) Storage: 5% to 90%RH (non-condensing/frozen)	Working: 20% to 80%RH (non-condensing/frozen) Storage: 5% to 90%RH (non-condensing/frozen)	Working: 20% to 80%RH (non-condensing/frozen) Storage: 5% to 90%RH (non-condensing/frozen)
	Dimension (W × H × D)	484 x 174 x 760 mm	487 x 345 x 751 mm	484 x 174 x 760 mm	487 x 345 x 751 mm
	Weight (without HDDs)	≤ 43 kg (90.4 lb)	≤ 70 kg (154.3 lb)	≤ 43 kg (94.8 lb)	≤ 93 kg (205 lb)

Data Center

117 DeepinMind Server

123 General Purpose Server











DeepinMind Server





Create Utility, Accurate, and Innovative AI



- › Fast and accurate facial, human body, vehicle and behavior recognition based on deep learning algorithms
- › Supports clustered implementation to facilitate load balancing, dynamic expansion, and system failover
- › Professional GPU accelerator with high computing capacity
- › Abundance of functions to meet needs in a multitude of scenarios and requirements













Model		DS-IF1032-03U/X(A7)	DS-IF1064-03U/X(A7)
Image		 	 
		NEW	NEW
Facial analysis	Function module	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm
	Facial attribute	Age, gender, smile, glasses, mask	Age, gender, smile, glasses, mask
	Video streaming performance	32 channels (2 MP) 24 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)	64 channels (2 MP) 48 channels (2 MP to 5 MP) 32 channels (5 MP to 8 MP)
	Image streaming performance	160 pics/s	320 pics/s
	Face Picture Format	JPG/JPEG, BMP, PNG, TIFF/TIF, Static GIF	JPG/JPEG, BMP, PNG, TIFF/TIF, Static GIF
	List storage capacity	1 million	1 million
Video structuralization	Function module	Moving target detection, tracking, rating, attribute analysis, modeling	Moving target detection, tracking, rating, attribute analysis, modeling
	Video processing performance	32 channels (2 MP) 24 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)	64 channels (2 MP) 48 channels (2 MP to 5 MP) 32 channels (5 MP to 8 MP)
	Security image processing performance	80 pieces/second (2 MP) 32 pieces/second (5 MP) 24pieces/second (8 MP)	160 pieces/second (2 MP) 64 pieces/second (5 MP) 48 pieces/second (8 MP)
	Human body attribute	Target direction/size/speed, coat/trousers type/color, hair style, with backpack, mask, whether carrying objects, whether riding, type of riding, number of people riding.	Target direction/size/speed, coat/trousers type/color, hair style, with backpack, mask, whether carrying objects, whether riding, type of riding, number of people riding.
	Vehicle attribute	license plate number, vehicle color, vehicle type, vehicle main brand	license plate number, vehicle color, vehicle type, vehicle main brand
Vehicle analysis	Function module	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition	"Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition"
	Vehicle Picture Requirement	Vehicle resolution: larger than 256 × 256 pixels (recommended) License plate width: 80 to 240 pixels (recommended) Angle deviation: less than 30°(horizontal) and 15° to 30°(vertical)	Vehicle resolution: larger than 256 × 256 pixels (recommended) License plate width: 80 to 240 pixels (recommended) Angle deviation: less than 30°(horizontal) and 15° to 30°(vertical)
	Analysis Performance of Vehicle Picture	58 pieces/second (2 MP) 47 pieces/second (5 MP) 35 pieces/second (9 MP)	116 pieces/second (2 MP) 94 pieces/second (5 MP) 70pieces/second (9 MP)
	Format	JPG/JPEG, BMP, PNG, TIFF/TIF, Static GIF	JPG/JPEG, BMP, PNG, TIFF/TIF, Static GIF
*The above performance of facial analysis, vehicle analysis and video structuralization is mutually exclusive..			
General		4 × USB 3.0 interface, 2 × USB 2.0 interface	4 × USB 3.0 interface, 2 × USB 2.0 interface
		1 × VGA interface	1 × VGA interface
		4 ×1000M Ethernet interfac	4 ×1000M Ethernet interfac
		19-inch 1U chassis	19-inch 1U chassis
		Power consumption: 240 W	Power consumption: 240 W
		Working temperature: +5°C to +35°C (41°F to 95 °F)	Working temperature: +5°C to +35°C (41°F to 95 °F)
		Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)	Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)
	Working humidity: 10% to 90%	Working humidity: 10% to 90%	

Model		DS-IF1032-03U/X(07)	DS-IF1064-03U/X(07)	DS-IF2003-A3H/NF	DS-IF2006-A3H/NF
Image		 HOT DeepinMind	 HOT DeepinMind	 HOT DeepinMind	 DeepinMind
Facial analysis	Function module	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm
	Facial attribute	Age, gender, smile, glasses, mask	Age, gender, smile, glasses, mask	Age, gender, smile, glasses, mask	Age, gender, smile, glasses, mask
	Video streaming performance	32 channels (2 MP) 24 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)	64 channels (2 MP) 48 channels (2 MP to 5 MP) 32 channels (5 MP to 8 MP)	60-channel (1080P)	120-channel (1080P)
	Image streaming performance	160 pics/s	320 pics/s	360 pics/s	720 pics/s
	Face Picture Format	JPG/JPEG, BMP, PNG, TIFF/TIF, Static GIF	JPG/JPEG, BMP, PNG, TIFF/TIF, Static GIF	jpeg, gif, bmp, png, tif	jpeg, gif, bmp, png, tif
Video structuralization	List storage capacity	1 million	1 million	3 million	3 million
	Function module	Moving target detection, tracking, rating, attribute analysis, modeling	Moving target detection, tracking, rating, attribute analysis, modeling	Moving target detection, tracking, rating, attribute analysis, modeling	Moving target detection, tracking, rating, attribute analysis, modeling
	Video processing performance	32 channels (2 MP) 24 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)	64 channels (2 MP) 48 channels (2 MP to 5 MP) 32 channels (5 MP to 8 MP)	60-channel (1080P)	120-channel (1080P)
	Security image processing performance	120 pieces/second (2 MP) 48 pieces/second (5 MP) 36 pieces/second (8 MP)	160 pieces/second (2 MP) 64 pieces/second (5 MP) 48 pieces/second (8 MP)	85 pics/s (500W)	170 pics/s (500W)
	Human body attribute	Target direction/size/speed, coat/trousers type/color, hair style, with backpack, mask, whether carrying objects, whether riding, type of riding, number of people riding.	Target direction/size/speed, coat/trousers type/color, hair style, with backpack, mask, whether carrying objects, whether riding, type of riding, number of people riding.	Target direction/size/speed, upper/lower body clothing/color, age, hair style, gender, whether riding, whether carrying bag, whether wearing hat, mask, whether carrying article, number of personnel on non-motor vehicle, vehicle type	Target direction/size/speed, upper/lower body clothing/color, age, hair style, gender, whether riding, whether carrying bag, whether wearing hat, mask, whether carrying article, number of personnel on non-motor vehicle, vehicle type
Vehicle analysis	Vehicle attribute	license plate number, vehicle color, vehicle type, vehicle main brand	license plate number, vehicle color, vehicle type, vehicle main brand	license plate number, vehicle color, vehicle type, vehicle main brand	license plate number, vehicle color, vehicle type, vehicle main brand
	Function module	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition
	Vehicle Picture Requirement	Vehicle resolution: larger than 256 × 256 pixels (recommended) License plate width: 60 to 300 pixels (recommended) Angle deviation: less than 30°(horizontal) and 15° to 30°(vertical)	Vehicle resolution: larger than 256 × 256 pixels (recommended) License plate width: 60 to 300 pixels (recommended) Angle deviation: less than 30°(horizontal) and 15° to 30°(vertical)	256 x 256 to 900W Pixel	256 x 256 to 900W Pixel
	Analysis Performance of Vehicle Picture	90 pieces/second (2 MP) 72 pieces/second (5 MP) 54 pieces/second (8 MP)	120 pieces/second (2 MP) 96 pieces/second (5 MP) 72 pieces/second (8 MP)	5.7 million pieces/day (7 MP)	11.4 million pieces/day (7 MP)
	Format	JPG/JPEG, BMP, PNG, TIFF/TIF, Static GIF	JPG/JPEG, BMP, PNG, TIFF/TIF, Static GIF	Standard JPG/JPEG, BMP, PNG/TIFF, TIF, static GIF	Standard JPG/JPEG, BMP, PNG/TIFF, TIF, static GIF
*The above performance of facial analysis, vehicle analysis and video structuralization is mutually exclusive..					
General		4 × USB 3.0 interface, 2 × USB 2.0 interface	4 × USB 3.0 interface, 2 × USB 2.0 interface	2 × USB 3.0 interface, 2 × USB 2.0 interface	2 × USB 3.0 interface, 2 × USB 2.0 interface
		1 × VGA interface	1 × VGA interface	1 × VGA interface	1 × VGA interface
		4 ×1000M Ethernet interfac	4 ×1000M Ethernet interfac	4 × 1000M self-adaptive Ethernet interface	4 × 1000M self-adaptive Ethernet interface
		19-inch 1U chassis	19-inch 1U chassis	19-inch 2U chassis	19-inch 2U chassis
		Power consumption: 240 W	Power consumption: 240 W	Power consumption: 750 W	Power consumption: 1600 W
		Working temperature: +5°C to +35°C (41°F to 95 °F)	Working temperature: +5°C to +35°C (41°F to 95 °F)	Working temperature: +5°C to +35°C (41°F to 95 °F)	Working temperature: +5°C to +35°C (41°F to 95 °F)
		Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)	Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)	Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)	Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)
		Working humidity: 10% to 90%	Working humidity: 10% to 90%	Working humidity: 8% to 90% (without condensation)	Working humidity: 8% to 90% (without condensation)

Model		DS-VBD1HH-UH/H	DS-VBD1HH-UF/H
Image		 	 
Data type (mixed storage for multiple data types)		Human face data Human body data Vehicle data	Human face data Human body data Vehicle data
Storage capacity (storage capacity for single data type)		2.4 billion pieces of human face data 3 billion pieces of human body data 6 billion pieces of vehicle data	800 million pieces of human face data 1 billion pieces of human body data 2 billion pieces of vehicle data
Search by picture (storage capacity for single data type)		Accelerated searching for 100 million pieces of structured data	Accelerated searching for 30 million pieces of structured data
Application function	Human face	Attribute search, search by picture, area comparison, frequently appeared person analysis, destination analysis, companion analysis, statistics analysis, human arming, etc.	Attribute search, search by picture, area comparison, frequently appeared person analysis, destination analysis, companion analysis, statistics analysis, human arming, etc.
	Human body	Attribute search, statistics analysis, search by picture, etc.	Attribute search, statistics analysis, search by picture, etc.
	Vehicle	Vehicle search, trace search, facial masking in night, entering downtown for first time, frequent entrance & exit, area comparison, search by picture, vehicle with fake license plate analysis, model arming, etc.	Vehicle search, trace search, facial masking in night, entering downtown for first time, frequent entrance & exit, area comparison, search by picture, vehicle with fake license plate analysis, model arming, etc.
Mainboard	CPU	Intel © Xeon© 6230 CPU x 2	Intel © Xeon© 4114 CPU x 2
	Memory	512 GB DDR4	256 GB DDR4
	Hard disk drive	240 GB M.2 x 1 (system) + 240 GB M.2 x 1 + 6 TB PCIE SSD x 1 + 4 TB 7.2 K SATA x 6 (RAID_10)	240 GB M.2 x 2 + 480 GB SSD x 6 + 4 TB 7.2 K SATA x 2 (RAID_1)
Interface	Data interface	10 GbE x 2 + 1GbE x 2	GigE x 4 or above
Power	Power module	750 W (1 + 1)	750 W (1 + 1)

Model		DS-IX2001-A3U/X		
Image		 		
Device performance	Face picture analysis	Analysis type	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	
		Picture analysis and comparison	170 pieces/second;Format: jpeg, bmp, tif, png	
		Video analysis and comparison	30 channels (2 MP) 12 channels (2 MP to 5 MP) 6 channels (5 MP to 8 MP)	
		List Library	3 million pictures in total (≤ 128 list libraries)	
		1 V 1 comparison	30 pairs/second	
	Video structured data analysis	Imported video analysis	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: ts, svac, mbf, ps, mp4, avi, asf	
		Analysis Type	Supports analysis and modelling for human bodies or vehicles in pictures, real-time videos or recordings.	
		Analysis of human body or vehicle pictures	60 pieces/second Format: jpeg, bmp, tif, png	
		Analysis of human body or vehicle videos	25 channels (2 MP) 16 channels (2 MP to 5 MP) 8 channels (5 MP to 8 MP)	
			Imported video analysis	Single video size ≤ 10 GB, and total video size ≤ 100 GB; Max. 40 times accelerated analysis speed; Format: ts, svac, mbf, ps, mp4, avi, asf
*The above performance of facial analysis, vehicle analysis and video structuralization is mutually exclusive.				
Hardware	Data storage	Picture and structured data	30 million	
		List library	10 million (including 3 million alarm library)	
	Interface	Network interface	Gigabit Ethernet self-adaptive interface x 4	
		USB interface	USB 2.0 x 2 + USB 3.0 x 2	
		VGA interface	2	
		Chassis specification	19 inch 2 U standard chassis	
		Power module	Hot-plugged efficient 1+1 redundant power module	
	General	Power consumption	750 W	
		Storage temperature	-40°C to 70°C (-40°F to 158 °F)	
		Working temperature	5°C to 35°C (41°F to 95 °F)	
Working humidity		8% to 90% (without condensation)		
		Dimension (L x W x H)	715.5 mm x 482 mm x 86.8 mm (28.2 inch x 19.0 inch x 3.4 inch)	
		Package size (L x W x H)	965 mm x 670 mm x 320 mm (38.0 inch x 29.4 inch x 12.6 inch)	

Model		DS-IX2002-A3U/X	DS-IX2003-A3U/X	DS-IX2001-A7U/LX	DS-IX2002-A7U/LX	
Image		 DeepinMind	 DeepinMind	 DeepinMind	 DeepinMind	
Device performance	Face picture analysis	Analysis type	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.
		Picture analysis and comparison	340 pieces/second;Format: jpeg, bmp, tif, png	510 pieces/second;Format: jpeg, bmp, tif, png	128 pieces/second;Format: jpeg, bmp, tif, png, partial gif(static diagram)	256 pieces/second;Format: jpeg, bmp, tif, png, partial gif(static diagram)
		Video analysis and comparison	60 channels (2 MP) 24 channels (2 MP to 5 MP) 12 channels (5 MP to 8 MP)	90 channels (2 MP) 36 channels (2 MP to 5 MP) 18 channels (5 MP to 8 MP)	40 channels (2 MP) 24 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)	80 channels (2 MP) 48 channels (2 MP to 5 MP) 32 channels (5 MP to 8 MP)
		List Library	3 million pictures in total (≤ 128 list libraries)	3 million pictures in total (≤ 128 list libraries)	3 million pictures in total (≤ 128 list libraries)	3 million pictures in total (≤ 128 list libraries)
		1 V 1 comparison	30 pairs/second	30 pairs/second	30 pairs/second	30 pairs/second
	Video structured data analysis	Imported video analysis	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: ts, svac, mbf, ps, mp4, avi, asf	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: ts, svac, mbf, ps, mp4, avi, asf	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: TS, DaHua es, SVAC, MBF, PS, MP4, AVI, ASF, HIK es, Tian Di es	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: TS, DaHua es, SVAC, MBF, PS, MP4, AVI, ASF, HIK es, Tian Di es
		Analysis Type	Supports analysis and modelling for human bodies or vehicles in pictures, real-time videos or recordings.	Supports analysis and modelling for human bodies or vehicles in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.
		Analysis of human body or vehicle pictures	120 pieces/second Format: jpeg, bmp, tif, png	180 pieces/second Format: jpeg, bmp, tif, png	80 pieces/second Format: jpeg, bmp, tif, png, partial gif(static diagram)	160 pieces/second Format: jpeg, bmp, tif, png, partial gif(static diagram)
		Analysis of human body or vehicle videos	50 channels (2 MP) 32 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)	75 channels (2 MP) 48 channels (2 MP to 5 MP) 24 channels (5 MP to 8 MP)	32 channels (2 MP) 24 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)	64 channels (2 MP) 48 channels (2 MP to 5 MP) 32 channels (5 MP to 8 MP)
	*The above performance of facial analysis, vehicle analysis and video structuralization is mutually exclusive.					
Data storage	Picture and structured data	50 million	50 million	40 million	80 million	
	List library	10 million (including 3 million alarm library)	10 million (including 3 million alarm library)	3 million	3 million	
Interface	Network interface	Gigabit Ethernet self-adaptive interface × 4	Gigabit Ethernet self-adaptive interface × 4	Gigabit Ethernet self-adaptive interface × 4	Gigabit Ethernet self-adaptive interface × 4	
	USB interface	USB 2.0 × 2 + USB 3.0 × 2	USB 2.0 × 2 + USB 3.0 × 2	USB 2.0 × 2 + USB 3.0 × 2	USB 2.0 × 2 + USB 3.0 × 2	
	VGA interface	2	2	2	2	
Hardware	General	Chassis specification	19 inch 2 U standard chassis	19 inch 2 U standard chassis	19 inch 2 U standard chassis	19 inch 2 U standard chassis
		Power module	Hot-plugged efficient 1+1 redundant power module	Hot-plugged efficient 1+1 redundant power module	Hot-plugged efficient 1+1 redundant power module	Hot-plugged efficient 1+1 redundant power module
		Power consumption	1600 W	1600 W	1100 W	1100 W
		Storage temperature	-40°C to 70°C (-40°F to 158 °F)	-40°C to 70°C (-40°F to 158 °F)	-40°C to 70°C (-40°F to 158 °F)	-40°C to 70°C (-40°F to 158 °F)
		Working temperature	5°C to 35°C (41°F to 95 °F)	5°C to 35°C (41°F to 95 °F)	5°C to 35°C (41°F to 95 °F)	5°C to 35°C (41°F to 95 °F)
		Working humidity	8% to 90% (without condensation)	8% to 90% (without condensation)	8% to 90% (without condensation)	8% to 90% (without condensation)
		Dimension (L × W × H)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)
Package size (L × W × H)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)		

Model		DS-IE1016-03U/BA(A7)	DS-IE1032-03U/BA(A7)	DS-IE1064-03U/BA(A7)
Image		 	 	 
Function	Perimeter protection detection	Line crossing, region entrance/exiting, area intrusion, loitering, unattended baggage	Line crossing, region entrance/exiting, area intrusion, loitering, unattended baggage	Line crossing, region entrance/exiting, area intrusion, loitering, unattended baggage
	Street abnormal behavior detection	Physical conflict, people gathering, and falling down	Physical conflict, people gathering, and falling down	Physical conflict, people gathering, and falling down
	Situation analysis	People density, real-time people counting, and people counting	People density, real-time people counting, and people counting	People density, real-time people counting, and people counting
	Indoor behavior detection	Absence, abnormal number of people, playing mobile phone	Absence, abnormal number of people, playing mobile phone	Absence, abnormal number of people, playing mobile phone
Access Performance	Access channel	16-channel standard H.264, H.265 code stream real-time analysis	32-channel standard H.264, H.265 code stream real-time analysis	64-channel standard H.264, H.265 code stream real-time analysis
	Resolution	720p-800W (recommended 1080p)	720p-800W (recommended 1080p)	720p-800W (recommended 1080p)
	Processor	Hygon 3185 (8 Cores, 16 Threads, 3GHz)	Hygon 3185 (8 Cores, 16 Threads, 3GHz)	Hygon 3185 (8 Cores, 16 Threads, 3GHz)
	Memory	16GB DDR4 RDIMM	16GB DDR4 RDIMM	16GB DDR4 RDIMM
	Hard disk	240 GB SSD × 2	240 GB SSD × 2	240 GB SSD × 2
	Network	4 Gigabit adaptive network ports	4 Gigabit adaptive network ports	4 Gigabit adaptive network ports
	USB 3.0	6	6	6
Interface	USB 2.0	/	/	/
	VGA	1	1	1
	Hard Disk Interface	M.2 interface	M.2 interface	M.2 interface
	Chassis	19-inch 1U standard chassis	19-inch 1U standard chassis	19-inch 1U standard chassis
Others	Power supply	Hot-swappable high-efficiency 1+1 redundant power supply	Hot-swappable high-efficiency 1+1 redundant power supply	Hot-swappable high-efficiency 1+1 redundant power supply
	Consumption (rated)	550 W × 2	550 W × 2	550 W × 2
	Consumption	500 W	500 W	500 W
	Working temperature	5°C to +35°C	5°C to +35°C	5°C to +35°C
	Storage temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
	Working humidity	10% to 90%, no condensation	10% to 90%, no condensation	10% to 90%, no condensation
	Dimensions (W × D × H)	830 mm (W) × 830 mm (D) × 222 mm (H)	830 mm (W) × 830 mm (D) × 222 mm (H)	830 mm (W) × 830 mm (D) × 222 mm (H)






General Purpose Server

Nearly Endless Applications

With high-performance hardware, General Purpose Servers have been expertly designed for various types of applications, such as in financial institutions, stock markets, transportation centers, postal and telecommunications centers, energy production, and other remote environments. These capable servers meet and exceed the strict requirements on performance, data scalability, and reliability.



Model	DS-VD22D-B/HW2(B)	DS-VD22D-B/HW5	DS-VD22D-B/HW6
Image			
Processor	one Intel® Xeon® SP(4210*1)	two Intel® Xeon® SP(4214*2)	two Intel® Xeon® SP(4210*2)
Memory	32G DDR4 DIMM	64G DDR4 DIMM	32G DDR4 DIMM
storage controllers	PERC H350	PERC H350	PERC H350
Drive Bays	1TB 7.2K SATA×2(RAID_1)	600G SAS 15K×4(RAID_10)	1TB 7.2K SATA×2(RAID_1)
Power supplies	495W(1+1)	495W(1+1)	495W(1+1)
Sizing	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)
Sizing with Package	960 × 610 × 295 mm (37.8 × 24.0 × 11.6 inch)	960 × 610 × 295 mm (37.8 × 24.0 × 11.6 inch)	960 × 610 × 295 mm (37.8 × 24.0 × 11.6 inch)
Embedded management	iDRAC9, Enterprise	iDRAC9, Enterprise	iDRAC9, Enterprise
Bezel	security bezel	security bezel	security bezel
OpenManage™ Software	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center
Integrations and connections	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNibus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNibus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNibus, IBM Tivoli® Network Manager, CA Network and Systems Management
Net weight	26.5 kg	26.5 kg	26.5 kg
Weight with Package	35.1 kg	35.1 kg	35.1 kg
Security	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase
I/O & Ports	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated iDRAC Direct Micro-USB Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port Video card: VGA	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated iDRAC Direct Micro-USB Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port Video card: VGA	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated iDRAC Direct Micro-USB Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port Video card: VGA
Supported operating systems	This model is installed with Windows Server 2019 global standard system	This model is not configured by default.	This model is not configured by default.
Storage temperature	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)
Working temperature	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)
Working humidity	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)

Model	DS-VD22D-B/HW7	DS-VD22D-B/HW15	DS-VD22D-B/HW40	DS-VE11D-C/HW01(0-NEU)(B)	DS-VE11D-D/HW04
Image					
Processor	two Intel® Xeon® SP (4214*2)	two Intel® Xeon® SP (4210*2)	two Intel® Xeon® SP (4210*2)	E2244*1	E-2378*1
Memory	64G DDR4 DIMM	64G DDR4 DIMM	16G*6 DDR4 DIMM	16G DDR4 DIMM	16 GB DDR4 x 4 DIMM
storage controllers	PERC H350	PERC H350	PERC H350	PERC H330	SAS_H355
Drive Bays	S4510 960G*3+S4610 240G*1	1TB 7.2K SATA*2(RAID_1)	1T 7.2K SATA*2(RAID_1) + 1T 7.2K SATA*2(RAID_1)	1T 7.2K SATA*2	1T 7.2K SATA*2 (RAID_1)
Power supplies	495W(1+1)	495W(1+1)	495W(1+1)	Single 250W (Bronze) power supply	Single 450W (Bronze) power supply
Sizing	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 x 482 x 86.8 mm (28.2 x 19.0 x 3.4 inch)	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 x 482 x 86.8 mm (28.2 x 19.0 x 3.4 inch)	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 x 482 x 86.8 mm (28.2 x 19.0 x 3.4 inch)	Form factor: Rack (1U) Chassis width: 434.00mm (17.08 in) Chassis depth: 595.63mm (23.45 in) (3.5" HDD config) Note: These dimensions do not include: bezel, redundant PSU	Form factor: Rack (1U) • Height: 42.8 mm (1.68 inches) • Width: 482 mm (18.97 inches) • Depth: 598.64 mm (23.56 inches) with bezel
Sizing with Package	960 x 610 x 295 mm (37.8 x 24.0x 11.6 inch)	960 x 610 x 295 mm (37.8 x 24.0x 11.6 inch)	960 x 610 x 295 mm (37.8 x 24.0x 11.6 inch)	750 mm x 614 mm x 259 mm (29.53" x 24.17" x 10.2")	750 mm x 614 mm x 259 mm (29.53" x 24.17" x 10.2")
Embedded management	iPMI 2.0 compliant iDRAC9 with Lifecycle Controller (Express, Enterprise) Quick Sync 2 wireless module optional	iDRAC9, Enterprise	iDRAC9, Enterprise	iDRAC9 with Lifecycle Controller (Enterprise)	iDRAC9 with Lifecycle Controller (Enterprise)
Bezel	security bezel	security bezel	security bezel	-	-
OpenManage™ Software	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	-	-
Integrations and connections	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIBus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIBus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIBus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software BMC Truesight (available from BMC) Red Hat Ansible Connections: Nagios Core & Nagios XI Micro Focus Operations Manager i (OMI) IBM Tivoli Netcool/OMNIBus	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software BMC Truesight (available from BMC) Red Hat Ansible Connections: Nagios Core & Nagios XI Micro Focus Operations Manager i (OMI) IBM Tivoli Netcool/OMNIBus
Net weight	26.5 kg	26.5 kg	26.5 kg	12.2kg	12.2kg
Weight with Package	35.1 kg	35.1 kg	35.1 kg	18.5kg	18.5kg
Security	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	-	-
I/O & Ports	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated iDRAC Direct Micro-USB Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port Video card: VGA	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0 Rear ports: Video, serial, 2 x USB 3.0 Video card: VGA*1	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0 Rear ports: Video, serial, 2 x USB 3.0 Video card: VGA*1	2 x 1GbE LOM Network Interface Controller (NIC) ports Front ports: 1x USB 2.0 Rear ports: 2 x USB 3.0, VGA, serial connector	-
Supported operating systems	This model is not configured by default.	This model is not configured by default	This model is not configured by default	This model is installed with Windows Server 2019 multilingual operating system.	This model is not configured by default
Storage temperature	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)	-
Working temperature	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)	-
Working humidity	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)	-
Embedded NIC	-	-	-	2 x 1GbE LOM Network Interface Controller (NIC) ports	2 x 1GbE LOM Network Interface Controller (NIC) ports
Device Access	-	-	-	Front ports: 1x USB 2.0 Rear ports: 2 x USB 3.0, VGA, serial connector	Front ports: 1 x USB 2.0 Rear ports: 1x USB 2.0, 1x USB 3.0, 1x VGA, serial 1x connector

Thermal

- 126** HeatPro Series
- 129** Presence Detectors
- 131** Security Cameras
- 138** Thermographic Cameras



HeatPro Series

Professional Protection Made Simple




Hikvision HeatPro Series Cameras feature deep-learning thermal video analytics for all-weather perimeter protection, object temperature measurement, and fire detection with real-time alarms. They are easy to configure, making the cameras ideal for SMB applications in residential, construction sites, retail, parking, museums, data centers, and other verticals.

- > All-weather deterrence and alerts
- > Simple, three-step deployment for perimeter protection
- > Thermal video analytics with deep-learning human & vehicle classification, reducing maintenance overhead
- > Temperature exception alarms for fire prevention
- > Visual and auditory alarms

HeatPro

Hikvision HeatPro Series Thermal Cameras Professional Protection Made Simple





Model	DS-2TD1217-20A/30A/60A	DS-2TD1228-20A/30A/70A	DS-2TD2617-30A/60A/100A
Image	 <p>Audible Alarm and Strobe Light</p>	 <p>Audible Alarm and Strobe Light</p>	 <p>Audible Alarm and Strobe Light</p>
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mK (@25 °C, F# = 1.1)	< 40 mK (@25 °C, F# = 1.1)	< 40 mK (@25 °C, F# = 1.1)
Pixel Pitch (Thermal)	17 μm	12 μm	17 μm
Resolution (Thermal)	160 × 120	256 × 192	160 × 120
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)
Lens	Thermal: 2, 3 or 6 mm Optical: 2, 4 or 6 mm	Thermal: 2, 3 or 7 mm Optical: 2, 4 or 6 mm	Thermal: 3, 6 or 10 mm Optical: 4 or 8 mm
Field of View (Thermal)	2 mm: 90° × 66.4° 3 mm: 50° × 37.2° 6 mm: 25.0° × 18.7°	2 mm: 90.0° × 65.4° 3 mm: 50.0° × 37.3° 7 mm: 24.9° × 18.7°	3 mm: 50° × 37.2° 6 mm: 25.0° × 18.7° 10 mm: 15.96° × 12°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps
Ingress Protection	IP66	IP66	IP67
Pan/Tilt			
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%
Audio Output	Linear level; impedance: 600 Ω	Linear level; impedance: 600 Ω	Linear level; impedance: 600 Ω
Alarm Input	1-ch inputs (0-5 VDC)	1-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)
Alarm Output	1-ch relay outputs, alarm response actions configurable	1-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	12 VDC ± 25% PoE (802.3af)	12 VDC ± 25% PoE (802.3af)	12 VDC ± 25% PoE (802.3af)
Environmental Requirement	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Measuring Range	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

HOT

Network Camera
PTZ Dome Camera
Panoramic Camera
Explosion-Proof & Anti-Corrosion Series
NVR
Network Storage
Data Center
Thermal
Software
Accessories
DORI Distance

Thermography

Model	DS-2TD2628-30A/70A/100A	DS-2TD2628-30A/70A/100A/GLT	DS-2TD2608-10A/20A
Image	 <HOT		 <NEW
	Audible Alarm and Strobe Light	Audible Alarm and Strobe Light, 4G	Audible Alarm and Strobe Light
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mK (@25 °C, F# = 1.0)	< 40 mK (@25 °C, F# = 1.3)	< 55 mK (@25 °C, F# = 1.0)
Pixel Pitch (Thermal)	12 μm	12 μm	12 μm
Resolution (Thermal)	256 × 192	256 × 192	96 × 72
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)	0.0089Lux @ (F1.6, AGC ON), 0 Lux with IR	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with Light
Lens	Thermal: 3, 7 or 10 mm Optical: 4, 6 or 8 mm	Thermal: 3, 7 or 10 mm Optical: 4, 6 or 8 mm	Thermal: 1 or 2 mm Optical: 4 or 6 mm
Field of View (Thermal)	3 mm: 50.0° × 37.3° 7 mm: 24.9° × 18.7° 10 mm: 18.0° × 13.5°	3 mm: 50.0° × 37.3° 7 mm: 24.9° × 18.7° 10 mm: 18.0° × 13.5°	1 mm: 50.0° × 37.5° 2 mm: 25.0° × 18.75°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps
Ingress Protection	IP67	IP67	IP67
Pan/Tilt			
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V [p-p], output impedance: 1 kΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V [p-p], output impedance: 1 kΩ ± 10%	-
Audio Output	Linear level; impedance: 600 Ω	Linear level; impedance: 600 Ω	-
Alarm Input	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2, alarm output (alarm response actions configurable)
Power	24 VAC ± 25%, 12 VDC ± 25%, two-core terminal block PoE (802.3af, class 3)	12 VDC ± 25% PoE (802.3af)	12 VDC ± 25%, φ 5.5 mm coaxial power plug PoE (802.3af, class 3)
Environmental Requirement	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Temperature exception alarm for fire prevention.	-
Temperature Measuring Range	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	-

Model	DS-2TD1228T-20A/30A	DS-2TD2628T-30A/70A
Image	 <HOT	 <HOT
	Audible Alarm and Strobe Light	Audible Alarm and Strobe Light
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mK (@ 25°C, F# = 1.0)	< 40 mK (@25 °C, F# = 1.0)
Pixel Pitch (Thermal)	12 μm	12 μm
Resolution (Thermal)	256 × 192	256 × 192
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	20A: Color: 0.0176Lux @ (F2.25, AGC ON), 0 Lux with IR 30A: 0.0089Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.0089Lux @ (F1.6, AGC ON), 0 Lux with IR
Lens	Thermal: 2or 3mm Optical: 2 or 3mm	Thermal: 3 or 7mm Optical: 4 or 6 mm
Field of View (Thermal)	2mm:90.0° × 65.4° (H × V) 3mm:50.0° × 37.3° (H × V)	3mm:50.0° × 37.3° (H × V) 7mm:24.9° × 18.7° (H × V)
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps
Ingress Protection	IP66	IP67
Pan/Tilt		
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 kΩ ± 10%	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 kΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω
Alarm Input	1, alarm input (0 to 5 VDC)	2, alarm input (0 to 5 VDC)
Alarm Output	1, alarm output (alarm response actions configurable)	2, alarm output (alarm response actions configurable)
Power	12 VDC ± 25% PoE (802.3af)	24 VAC ± 25%, 12 VDC ± 25%, two-core terminal block PoE (802.3af)
Environmental Requirement	Temperature: -40°C to 65°C (-40°F to 149°F); Humidity: 95% or less	Temperature: -40°C to 65°C (-40°F to 149°F); Humidity: 95% or less
VCA	line crossing, intrusion, region entrance, and region exiting	line crossing, intrusion, region entrance, and region exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Measuring Range	-20°C to 550°C (-4°F to 1022°F)	-20°C to 550°C (-4°F to 1022°F)
Temperature Accuracy	Max. [± 2°C, ± 2%]	Max. [± 2°C, ± 2%]

Presence Detectors



Professional Protection Made Simple

Compared with conventional thermal cameras, presence detectors feature a more compact and discreet design. At the same time, thermal imaging protects user privacy by not capturing detailed features that allow personal identification. Furthermore, the detectors' ultra-low power consumption makes them adaptable to a variety of installation conditions. Therefore, these presence detectors are used widely in nursing homes, banks, apartments, and many other scenarios.

- › Supports fall detection with built-in radar
- › Out-of-room, out-of-bed, leave-without-return, and overstay detection
- › Audio anomaly detection
- › Privacy protection using thermal imaging
- › Compact and friendly design, suitable for indoor use



Thermal - Single Lens

Model	HM-TD1017/QW	HM-TD1018-1/QR
Image	 <p>Presence Detector</p>	 <p>Thermal Radar Presence Detector</p>
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 50 mK (25°C, F1.2)	< 50 mK (25°C, F1.1)
Pixel Pitch (Thermal)	17 μm	12 μm
Resolution (Thermal)	160 × 120	160 × 120
Sensor (Optical)	-	-
Max. Resolution (Optical)	-	-
Min. Illumination (Optical)	-	-
Lens	Thermal:1 or 2mm	Thermal:1.3mm
Field of View (Thermal)	1mm: HS111:100° (H) × 82° (V) HS111(B):110° (H) × 89° (V) 2mm: HS121 90.0° (H) × 65.3° (V)	90.0° (H) × 65.2° (V)
Video Compression	H.265/H.264	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps
Ingress Protection	-	IP40
Pan/Tilt	-	-
Audio Input	-	Built-In Mic
Audio Output	-	Built-In Speaker
Alarm Input	-	-
Alarm Output	1, alarm output (alarm response actions configurable)	1, alarm output (alarm response actions configurable)
Power	5 to 16 VDC, type-C	DC 12 V (± 20%): 0.5 A, max. 5 W PoE (802.3af): 36 V to 57 V, 0.17 A to 0.11 A, max. 6 W
Environmental Requirement	Temperature: -10°C to 50°C (14°F to 122°F) Humidity: 95% or less	Temperature: -20°C to 50°C (-4°F to 122°F) Humidity: 95% or less
VCA	People number exception and presence detection Health tracking	Fall Detection, Out of Room Detection, Out of Bed Detection, Exit without Return and People Overstay Detection
Fire Detection	-	-
Temperature Measuring Range	-10°C to 200°C (14°F to 392°F)	-
Temperature Accuracy	± 8°C (± 14.4°F)	-

Security Cameras

Perimeter Protection in All Weathers





Hikvision's Thermal Security Cameras feature deep-learning thermal video analytics for all-weather perimeter protection, object temperature measurement, and fire detection with real-time alarms. They feature expert design for high value infrastructure applications in power stations, substations, airports, warehouses, and more.

- > Multiple model options covering short and long range scenarios for all-weather deterrence and alerts
- > Highly accurate person & vehicle detection using deep-learning thermal video analytics
- > Temperature anomaly alarms for fire prevention
- > Vessel and UAV detection with dedicated intelligent algorithms








**Perimeter Protection in All
Weathers**





Thermal - Single Lens






Model	DS-2TD2138-40Y/70Y/100Y/130Y/150Y/250Y/350Y	DS-2TD2137-4PY	DS-2TD2167-7PY/15PY/25PY/35PY	DS-2TD2367-PY
Image	 NEW Anti-corrosion	 HOT Anti-corrosion	 HOT Anti-corrosion	 HOT Anti-corrosion
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mk (@25°C, F#=1.0)	< 35 mk (@25°C, F#=1.0)	< 35 mk (@25°C, F#=1.0)	< 35 mk (@25°C, F#=1.0)
Pixel Pitch (Thermal)	12 µm	17 µm	17 µm	17 µm
Resolution (Thermal)	384 × 288	384 × 288	640 × 512	640 × 512
Sensor (Optical)		-	-	
Max. Resolution (Optical)		-	-	
Min. Illumination (Optical)		-	-	
Lens	4, 7, 10, 13, 15, 25 or 35 mm	4	7, 15, 25 or 35 mm	50, 75 or 100 mm
Field of View (Thermal)	4mm: 60.0° × 45.0° 7 mm: 42.0° × 32.0° 10 mm: 26.0° × 20.0° 13 mm: 20.0° × 15.0° 15 mm: 17.0° × 13.0° 25 mm: 11.0° × 8.0° 35 mm: 7.5° × 5.6°	4 mm: 90° × 65.3°	7 mm: 88.5° × 73.2° 15 mm: 42.5° × 33.6° 25 mm: 24.55° × 19.75° 35 mm: 17.67° × 14.18°	50 mm: 12.4° × 10° 75 mm: 8.3° × 6.6° 100 mm: 6.22 × 4.96
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps	25 fps
Ingress Protection	IP67	IP67	IP67	IP67
Pan/Tilt		-	-	
Audio Input	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance:1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance:1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance:1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance:1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%, 12 VDC ± 25%; PoE (802.3af, class 3)	24 VAC ± 25%, 12 VDC ± 25%; PoE (802.3af, class 3)	12 VDC ± 20% PoE (802.3af) 24 VAC ± 25%	24 VAC ± 25%, 12 VDC ± 25%; PoE (802.3af, class 3)
Environmental Requirement	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Measuring Range	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)






Thermal - Dual Lens





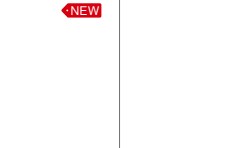
Model	DS-2TD2637-70Y/100Y/150Y/250Y/350Y(B)	DS-2TD2667-15PY/25PY/35PY	DS-2TXS2628/QA/GLT/CH30S80	DS-2TX3742-10A/15A/25A/35A/Q	DS-2TX3742-10P/15P/25P/35P/Q
Image	 NEW Anti-corrosion	 Anti-corrosion	 HOT Standalone security site, solar panels, 4G connectivity		
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mK (25°C, F1.0)	< 35 mK (@25 °C, F# = 1.0)	≤ 40 mK (@25° C, F# = 1.0)	< 35 mk (@25 °C, F#=1.0)	< 35 mk (@25 °C, F#=1.0)
Pixel Pitch (Thermal)	17 μm	17 μm	12 μm	17 μm	17 μm
Resolution (Thermal)	384 x 288	640 x 512	256 x 192	384 x 288	384 x 288
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520, 4 MP	2688 x 1520, 4 MP
Min. Illumination (Optical)	0.0089Lux @(F1.6, AGC ON) ,0 Lux with IR	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)	0.0089Lux @(F1.6, AGC ON) ,0 Lux with IR	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)
Lens	Thermal: 7 mm, 10 mm, 15 mm, 25mm or 35mm Optical: 4mm, 6mm or 12mm	Thermal: 15 mm, 25 mm or 35 mm Optical: 4mm, 6mm, 8mm	Thermal: 3mm, 7mm, 10mm Optical: 4mm, 6mm, 8mm	Bullet-Thermal: 10, 15, 25 or 35 mm Bullet-Optical: 4, 6, 12, 14.8mm Speed Dome-Optical: 6.0 - 252 mm	Bullet-Thermal: 10, 15, 25 or 35 mm Bullet-Optical: 4, 6, 12, 14.8mm Speed Dome-Optical: 6.0 - 252 mm
Field of View (Thermal)	7mm:60° × 44.1° 10mm:37.5° × 28.5° 15mm:51.7° × 28° 25mm:14.9° × 11.2° 35mm:10.7° × 8°	15mm: 42.5° × 33.6° 25mm: 24.55° × 19.75° 35mm: 17.67° × 14.18°	3mm:50.0° × 37.3° 7mm:24.9° × 18.7° 10mm:18.0° × 13.5°	10mm:37.5° × 28.5° (H × V) 15mm: 24.5° × 18.5° (H × V) 25mm: 14.9° × 11.2° (H × V) 35mm: 10.7° × 8° (H × V)	10mm:37.5° × 28.5° (H × V) 15mm: 24.5° × 18.5° (H × V) 25mm: 14.9° × 11.2° (H × V) 35mm: 10.7° × 8° (H × V)
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25fps	25 fps	25fps	25fps
Ingress Protection	IP67	IP67	IP67	IP66	IP66
Pan/Tilt	-	-	-	Pan: 360°, Tilt: -20° to 90°	Pan: 360°, Tilt: -20° to 90°
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2-2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2-2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω
Alarm Input	2, alarm input (0-5 VDC)	2-ch inputs (0-5 VDC)	2, alarm input (0-5 VDC)	Bullet: 2, alarm input (0-5 VDC) 2, alarm output Speed Dome: 7, alarm input (0-5 VDC)	Bullet: 2, alarm input (0-5 VDC) 2, alarm output Speed Dome: 7, alarm input (0-5 VDC)
Alarm Output	2, alarm output (alarm response actions configurable)	2-ch relay outputs, alarm response actions configurable	2, alarm output (alarm response actions configurable)	Bullet: 2-ch relay outputs, alarm response actions configurable Speed Dome: 2, alarm output	Bullet: 2-ch relay outputs, alarm response actions configurable Speed Dome: 2, alarm output
Power	24 VAC ± 25%, 12 VDC ± 25% PoE (802.3af, class 3)	24 VAC± 25%, 12 VDC± 25%; PoE (802.3af, class 3)	12 VDC ± 25% PoE (802.3af, class 3)	24 VAC ± 25%	24 VAC ± 25%
Environmental Requirement	Temperature: -40°C to 65°C (-40°F to 149°F) Humidity: 95% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 95% or less	Temperature: -40°C to 65°C (-40°F to 149°F) Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 90% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 90% or less
VCA	(line crossing, intrusion, region entrance, and region exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	line crossing, intrusion, region entrance, and region exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Temperature exception alarm for fire prevention.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20 °C to 150 °C (-4 °F to 302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20°C to 150°C (-4°F to 302°F)	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8°C (± 14.4°F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

Network Camera
PTZ Dome Camera
Panoramic Camera
Explosion-Proof & Anti-Corrosion Series
NVR
Network Storage
Data Center
Thermal
Software
Accessories
DORI Distance

Model	DS-2TD4137-25W/50W(B)	DS-2TD4137-25WY/50WY(B)	DS-2TD4167-25W/50W(B)	DS-2TD4167-25WY/50WY(B)
Image				
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mk (@25°C, F#=1.0)	< 40 mk (@25°C, F#=1.0)	< 40 mk (@25°C, F#=1.0)	< 40 mk (@25°C, F#=1.0)
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	17 μm
Resolution (Thermal)	384 × 288	384 × 288	640 × 512	640 × 512
Sensor (Optical)	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)
Lens	Thermal: 25 or 50 mm Optical: 6-240 mm	Thermal: 25 or 50 mm Optical: 6-240 mm	Thermal: 25 or 50 mm Optical: 6-240 mm	Thermal: 25 or 50 mm Optical: 6-240 mm
Field of View (Thermal)	25 mm: 14.9° × 11.2° 50 mm: 7.5° × 5.6°	25 mm: 14.9° × 11.2° 50 mm: 7.5° × 5.6°	25 mm: 24.5° × 19.7° 50 mm: 7.5° × 5.6°	25 mm: 24.5° × 19.7° 50 mm: 7.5° × 5.6°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	Thermal: 50fps Optical: 25fps	Thermal: 50fps Optical: 25fps	Thermal: 50fps Optical: 25fps	Thermal: 50fps Optical: 25fps
Ingress Protection	IP66	IP66	IP66	IP66
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%	24 VAC ± 25%	24 VAC ± 25%	24 VAC ± 25%
Environmental Requirement	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Measuring Range	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

Model	DS-2TD4228-7S2/10S2	DS-2TD4238-4S2/7S2/10S2/25S2	DS-2TD6237-50H4LW/75C4LW	DS-2TD6267-50H4LW/75C4LW/100C4LW	DS-2TD6267-75C4LWY/100C4LWY
Image	 NEW	 NEW			 Anti-corrosion
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	≤ 35 mK (@25 °C, F#=1.0)	≤ 35 mK (@25 °C, F#=1.0)	NETD ≤ 35 mK (25 °C, F# = 1.0)	< 35 mk (@25°C, F#=1.0)	< 35 mk (@25°C, F#=1.0)
Pixel Pitch (Thermal)	12 μm	12 μm	17 μm	17 μm	17 μm
Resolution (Thermal)	256 × 192	384 × 288	384 × 288	640 × 512	640 × 512
Sensor (Optical)	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.05 Lux @(F1.2, AGC ON) B/W: 0.01 Lux @(F1.2, AGC ON)	Color: 0.05 Lux @(F1.2, AGC ON) B/W: 0.01 Lux @(F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.5, AGC ON) B/W: 0.0001 Lux @ (F1.5, AGC ON)	Color: 0.0005 Lux @ (F1.5, AGC ON) B/W: 0.0001 Lux @ (F1.5, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)
Lens	Thermal: 7 or 10 mm Optical: 4.8-153 mm	Thermal: 4, 7, 10 or 25 mm Optical: 4.8-153 mm	Thermal: 25 or 50mm Optical: 6 to 240 mm	Thermal: 25 or 50mm Optical: 6 to 240 mm	Thermal: 75 or 100 mm Optical: H (6-240 mm) / C (6-336 mm)
Field of View (Thermal)	7 mm: 25.0° x 18.8° 10mm: 18.1° x 13.6°	4 mm: 60.2° x 40.5° 7 mm: 39.5° x 30.12° 10mm: 26.46° x 19.81° 25mm: 10.5° x 7.9°	25mm: 14.88° x 11.19° 50mm: 7.47° x 5.61°	50 mm: 12.42° x 9.95° 75 mm: 8.3° x 6.64° 100 mm: 6.23° x 4.98°	75 mm: 8.3° x 6.64° 100 mm: 6.23° x 4.98°
Video Compression	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/ H.264	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	50 fps	25 fps	25 fps
Ingress Protection	IP66	IP66	IP66	IP66	IP66
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -5° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -5° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to +40° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to +40° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to +40° (auto flip)
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V (p-p), output impedance: 1 kΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V (p-p), output impedance: 1 kΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V (p-p), output impedance: 1 kΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 kΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 kΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	7-ch inputs (0-3.3 VDC)	7-ch inputs (0-3.3 VDC)	7-ch inputs (0 to 5 VDC)	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	24VAC ± 20%, two-core terminal block 36VDC ± 20%, two-core terminal block 48VDC ± 20%, two-core terminal block Hi-PoE	24VAC ± 20%, two-core terminal block 36VDC ± 20%, two-core terminal block 48VDC ± 20%, two-core terminal block Hi-PoE	24 VAC ± 20%, 36 VDC ± 20%, 48 VDC ± 15%, 5 A, max. 120 W	24 VAC ± 25%	24 VAC ± 25%
Environmental Requirement	-30°C to 60°C (-22°F to 140°F), 90% or less	-30°C to 60°C (-22°F to 140°F), 90% or less	From -40 °C to 65 °C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40 °C to 65 °C (-40 ° F to 149 ° F); Humidity: 90% or less	From -40 °C to 65 °C (-40 ° F to 149 ° F); Humidity: 90% or less
VCA	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20 °C to 150 °C (-4 °F to 302 °F)	-20 °C to 150 °C (-4 °F to 302 °F)	-20°C to 150°C (-4°F to 302°F)	-20° C - 150° C (-4 °F to +302°F)	-20° C - 150° C (-4 °F to +302°F)
Temperature Accuracy	± 8 °C (±14.4 °F)	± 8 °C (±14.4 °F)	± 8°C (±14.4°F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

Model	DS-2TD8167-150ZC4FW/150ZE2FW(B)/190ZE2FW(B)/230ZG2FW	DS-2TD8167-190ZE2FLW(B)/230ZG2FLW	DS-2TD8167-190ZE2FWY(B)/230ZG2FWY	DS-2TD95C8-150ZE4FL/W	DS-2TD95C8-190/-300ZK2FL/W
Image		 Laser Supplement	 Anti-corrosion	 HOT	 HOT
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	V0x Uncooled Focal Plane Arrays	V0x Uncooled Focal Plane Arrays
NETD	< 35 mk (@25°C, F#=1.0)	< 35 mk (@25°C, F#=1.0)	< 35 mk (@25°C, F#=1.0)	< 35 mk (@25°C, F#=1.0)	< 35 mk (@25°C, F#=1.0)
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	12 μm	12 μm
Resolution (Thermal)	640 × 512	640 × 512	640 × 512	1280 × 1024 (the resolution of output image is 1920 × 1080)	1280 × 1024 (the resolution of output image is 1920 × 1080)
Sensor (Optical)	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	-C: 2688 × 1520 -E: 1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080, 2 MP	1920 × 1080, 2 MP
Min. Illumination (Optical)	-C: Color: 0.0005 lux @ (F1.5, AGC ON) -C: B/W: 0.0001 lux @ (F1.5, AGC ON) -E: Color: 0.005 lux @ (F3.5, AGC ON) -E: B/W: 0.0005 lux @ (F3.5, AGC ON)	Color: 0.005 lux @ (F3.5, AGC ON) B/W: 0.0005 lux @ (F3.5, AGC ON)	Color: 0.005 lux @ (F3.5, AGC ON) B/W: 0.0005 lux @ (F3.5, AGC ON)	Color: 0.005 Lux @ (F3.5, AGC ON), B/W: 0.0005 Lux @ (F3.5, AGC ON)	Color: 0.005 Lux @ (F3.5, AGC ON), B/W: 0.0005 Lux @ (F3.5, AGC ON)
Lens	Thermal: 150 / 190 / 230 mm Optical: -C: 6.7-330 mm -E: 10-780 mm -G: 16.7-1000 mm	Thermal: 190 or 230 mm Optical: -E: 10-780 mm -G: 16.7-1000 mm	Thermal: 190 or 230 mm Optical: -E: 10-780 mm -G: 16.7-1000 mm	Thermal: 30 to 150 mm Optical: 10 to 800 mm, 80x	Thermal: 38 to 190 mm / 30 to 300 mm Optical: 10 to 1000 mm, 100x / 10 to 1000 mm, 100x
Field of View (Thermal)	150 mm: 20.56° × 16.51° 190 mm: 17.19° × 13.79° 230 mm: 26.61° × 21.43°	190 mm: 17.19° × 13.79° 230 mm: 26.61° × 21.43°	190 mm: 32.13° × 18.4° 230 mm: 24.33° × 13.83°	28.7° × 23.2° (H × V) to 5.9° × 4.7° (H × V)	24.4° × 19.6° (H × V) to 4.6° × 3.7° (H × V) / 28.7° × 23.2° (H × V) to 2.9° × 2.4° (H × V)
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps	25fps	25fps
Ingress Protection	IP66	IP66	IP66	IP67	IP67
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -45° to +45° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -45° to +45° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -45° to +45° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -45° to +45° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -45° to +45° (auto flip)
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V (p-p), output impedance: 1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	2-ch inputs (0 to 5 VDC)	2-ch inputs (0 to 5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	48 VDC, 220 W	48 VDC, 220 W	48 VDC, 220 W	48 VDC ± 20%, 180 W; Max. 460 W with deicing heating	48 VDC ± 20%, 180 W; Max. 460 W with deicing heating
Environmental Requirement	From -40° C to 65° C (-40° F to 149° F); Humidity: 95% or less	From -40° C to 65° C (-40° F to 149° F); Humidity: 95% or less	From -40° C to 65° C (-40° F to 149° F); Humidity: 95% or less	From -40°C to 70°C (-40°F to 158°F); Humidity: 90% ± 3% (no condensation)	From -40°C to 70°C (-40°F to 158°F); Humidity: 90% ± 3% (no condensation)
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 10 scenes and 8 VCA rules for each scene	Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 10 scenes and 8 VCA rules for each scene
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire point detection, up to 10 fire points detectable.	Dynamic fire point detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20° C - 150° C (-4° F to +302°F)	-20° C - 150° C (-4° F to +302°F)	-20° C - 150° C (-4° F to +302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8°C (± 14.4°F)	± 8°C (± 14.4°F)

Model	DS-2TD9867-50C2F(B)	DS-2TD4538-25A4W/35A4W	DS-2TD4568-25A4W/35A4W	DS-2TD4638-25A4W/35A4W	DS-2TD4668-25A4W/35A4W
Image	 NEW	 NEW	 NEW	 NEW	 NEW
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	≤ 35 mK (@25 °C, F#=1.0)	≤ 35 mK (@25 °C, F#=1.0)	≤ 35 mK (@25 °C, F#=1.0)	≤ 35 mK (@25 °C, F#=1.0)	≤ 35 mK (@25 °C, F#=1.0)
Pixel Pitch (Thermal)	17 μm	12 μm	12 μm	12 μm	12 μm
Resolution (Thermal)	640 x 512	384 x 288	640 x 512	384 x 288	640 x 512
Sensor (Optical)	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.0005 Lux @ (F1.5, AGC ON) B/W: 0.0001 Lux @ (F1.5, AGC ON)	Color: 0.05 Lux @ (F1.2, AGC ON) B/W: 0.01 Lux @ (F1.2, AGC ON)	Color: 0.05 Lux @ (F1.2, AGC ON) B/W: 0.01 Lux @ (F1.2, AGC ON)	Color: 0.05 Lux @ (F1.2, AGC ON) B/W: 0.01 Lux @ (F1.2, AGC ON)	Color: 0.05 Lux @ (F1.2, AGC ON) B/W: 0.01 Lux @ (F1.2, AGC ON)
Lens	Thermal: 50 mm Optical: 5.9-135.7 mm	Thermal: 25 or 35 mm Optical: 4.8-120 mm	Thermal: 25 or 35 mm Optical: 4.8-120 mm	Thermal: 25 or 35 mm Optical: 4.8-120 mm	Thermal: 25 or 35 mm Optical: 4.8-120 mm
Field of View (Thermal)	50mm: 12.4° × 9.9°	25mm: 10.5° × 7.9° 35mm: 7.5° × 5.6°	25mm: 17.4° × 13.9° 35mm: 12.4° × 10°	25mm: 10.5° × 7.9° 35mm: 7.5° × 5.6°	25mm: 17.4° × 13.9° 35mm: 12.4° × 10°
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Frame Rate	25 fps	25 fps	25 fps	25 fps	25 fps
Ingress Protection	IP66	IP67	IP67	IP67	IP67
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -90° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	-	-	Built-In 2 Mics	Built-In 2 Mics
Audio Output	Linear Level; Impedance: 600 Ω	-	-	Built-In Speaker	Built-In Speaker
Alarm Input	1-ch inputs (0 to 5 VDC)	-	-	-	-
Alarm Output	1-ch relay outputs, alarm response actions configurable	-	-	-	-
Power	24 VDC ± 20%, two-core terminal block	DC8V-DC36V	DC8V-DC36V	12VDC ± 20%, two-core terminal block	12VDC ± 20%, two-core terminal block
Environmental Requirement	From -40°C to 65°C (-40°F to 149°F); Humidity: 95% or Less	From -40°C to 70°C (-40°F to 140°F); Humidity: 90% or Less	From -40°C to 70°C (-40°F to 140°F); Humidity: 90% or Less	From -20°C to 60°C (-68°F to 140°F); Humidity: 90% or Less	From -20°C to 60°C (-68°F to 140°F); Humidity: 90% or Less
VCA	-	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting
Fire Detection	-	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Measuring Range	-	-20 °C to 150 °C (-4 °F to 302 °F)	-20 °C to 150 °C (-4 °F to 302 °F)	-20 °C to 150 °C (-4 °F to 302 °F)	-20 °C to 150 °C (-4 °F to 302 °F)
Temperature Accuracy	-	± 8 °C (±14.4 °F)	± 8 °C (±14.4 °F)	± 8 °C (±14.4 °F)	± 8 °C (±14.4 °F)
SIM Card Type	-	MicroSIM	MicroSIM	MicroSIM	MicroSIM
Frequency	-	LTE FDD: B 1/3/5/7/8/20/28 LTE TDD: B 38/40/41 WCDMA: B 1/5/8	LTE FDD: B 1/3/5/7/8/20/28 LTE TDD: B 38/40/41 WCDMA: B 1/5/8	LTE FDD: B 1/3/5/7/8/20/28 LTE TDD: B 38/40/41 WCDMA: B 1/5/8	LTE FDD: B 1/3/5/7/8/20/28 LTE TDD: B 38/40/41 WCDMA: B 1/5/8
Standard	-	LTE FDD/LTE TDD/WCDMA	LTE FDD/LTE TDD/WCDMA	LTE FDD/LTE TDD/WCDMA	LTE FDD/LTE TDD/WCDMA
Wi-Fi	-	Wi-Fi standard: IEEE802.11b, 802.11g, 802.11n Frequency range: 2.4GHz-2.4835GHz Channel bandwidth: Support 20MHz Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK	Wi-Fi standard: IEEE802.11b, 802.11g, 802.11n Frequency range: 2.4GHz-2.4835GHz Channel bandwidth: Support 20MHz Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK	Wi-Fi standard: IEEE802.11b, 802.11g, 802.11n Frequency range: 2.4GHz-2.4835GHz Channel bandwidth: Support 20MHz Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK	Wi-Fi standard: IEEE802.11b, 802.11g, 802.11n Frequency range: 2.4GHz-2.4835GHz Channel bandwidth: Support 20MHz Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Battery Type	-	-	-	Lithium battery	Lithium battery
Battery Voltage	-	-	-	10.9V	10.9V
Battery Capacity	-	-	-	10.5 Ah	10.5 Ah
Max. Charging Voltage	-	-	-	12.6 V	12.6 V

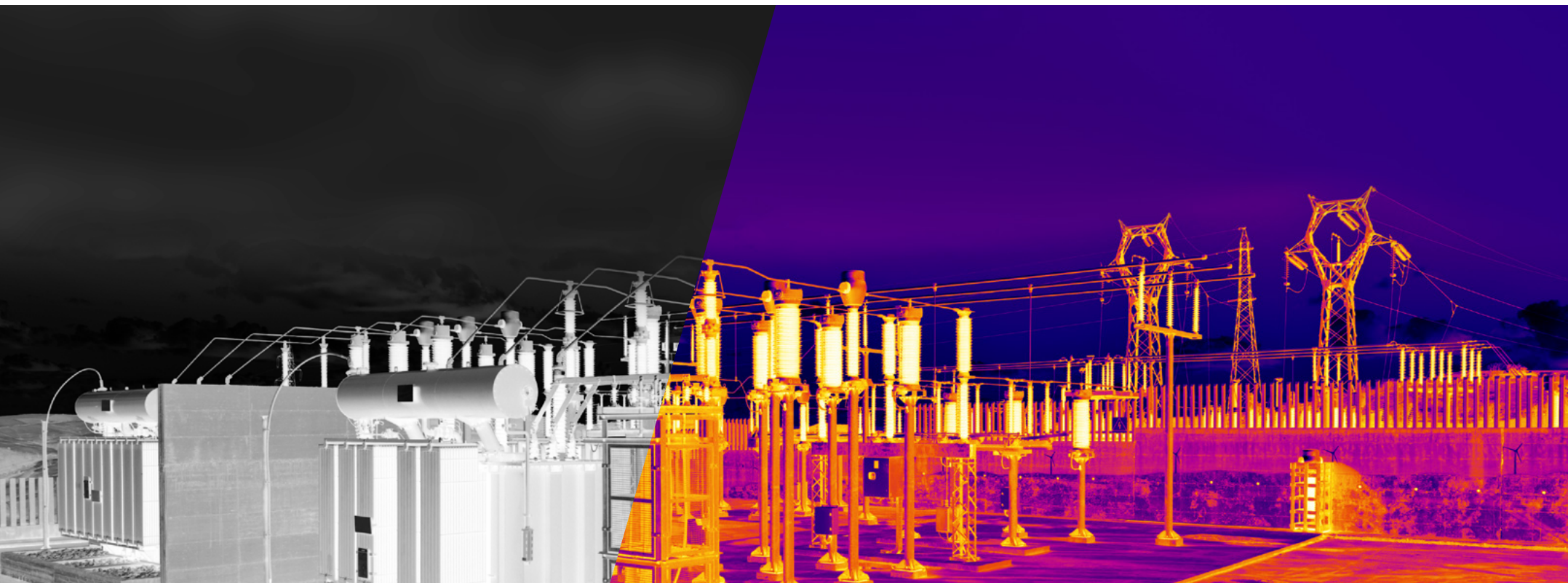
Network Camera
PTZ Dome Camera
Panoramic Camera
Explosion-Proof & Anti-Corrosion Series
NVR
Network Storage
Data Center
Thermal
Software
Accessories
DORI Distance

Thermography Cameras






Stay ahead of the Flames






Hikvision's Thermographic Cameras have been used widely for temperature detection in regions of interest, inspection on potential heat sources, and failure detection in noncontact electromechanical systems. They meet high demands for substations, hydropower stations, waste treatment plants, manufacturing workshops, and similar applications.




- > Accurate temperature measurement, up to ± 2 °C (± 3.6 °F) or ± 2 % among -20 °C to 550 °C (-4 to $+1022$ °F)
- > 24/7 real-time measurement with instant alarms on temperature anomalies
- > Deep learning algorithm reduces false alarms caused by forklifts, shadows, reflected sunlight, and other objects
- > Various types of measuring rules for detection and recording flexibility
- > Continuously viewable temperature data to visualize potential risks







Thermography

Model	DS-2TD2137T-40Y/70Y	DS-2TD2167T-7/P	DS-2TD2637T-70Y/100Y/150Y	DS-2TD2667T-15/P	DS-2TD2528T-30/70/100
Image	 NEW Anti-corrosion		 Anti-corrosion	 HOT	 Explosion-proof
Thermal Camera Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	≤ 35 mk (@25°C, F# = 1.0)	< 35 mk (@25°C, F#=1.0)	< 35 mk (25°C, F1.0)	< 35 mk (@25°C, F#=1.0)	< 40 mk (@ 25°C), F# = 1.0
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	17 μm	12 μm
Max. Resolution (Thermal)	384 × 288	640 × 512	384 × 288	640 × 512	256 × 192
Thermal Lens	4.4 or 6.5 mm	6.5 mm	Thermal: 6.5 or 9.7 or 15 mm Optical: 4, 4 or 6 mm	15mm	Thermal: 3.5, 7 or 10 mm Optical: 3.3, 4 or 8 mm
Optical Camera Sensor	/	/	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	/	/	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination	/	/	0.0089Lux @(F1.6, AGC ON) , 0 Lux with IR	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)
Field of View (Thermal)	4 mm: 90° × 65.3° 7 mm: 60° × 44.1°	7 mm: 88.5° × 73.2°	7mm:60° × 44.1° 10mm:84° × 44.8° 15mm:24.5° × 18.5°	15 mm: 24.5° × 18.5°	3mm:50.0° × 37.3° 7mm:24.9° × 18.7° 10mm:18° × 13.5°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps	25 fps	25 fps
Ingress Protection	IP67	IP67	IP67	IP67	IP68
Pan/Tilt	/	/	/	/	/
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance: 1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2 to 2.4 V(p-p), output impedance:1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Line level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Line level, impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	2, alarm input (0-5 VDC)	2-ch input (0-5 VDC)	2, alarm input (0-5 VDC)	2-ch input (0-5 VDC)	2-ch inputs (0 to 5 VDC)
Alarm Output	2, alarm output (alarm response actions configurable)	2-ch relay output, supports Alarm Linkage	2, alarm output (alarm response actions configurable)	2-ch relay output, supports Alarm Linkage	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%, 12 VDC ± 25% PoE (802.3af)	12 VDC ± 20% PoE (802.3af) 24 VAC ± 25%	24 VAC ± 25%, 12 VDC ± 25% PoE (802.3af)	12 VDC ± 20% PoE (802.3af) 24 VAC ± 25%	100 to 240 VAC, 36 to 57 VDC, PoE (802.3af)
Environmental Requirement	Temperature: - 40 °C to 65 °C [- 40 °F to 149 °F] Humidity: 95% or less	From -40 °C to 60 °C [-40 °F to 149 °F]; Humidity: 90% or less	Temperature: -40°C to 65°C [-40°F to 149°F] Humidity: 95% or less	From -40 °C to 65 °C [-40 °F to 149 °F]; Humidity: 90% or less	-40°C to 60°C [-40°F to 140°F], 90% or less
VCA	line crossing, intrusion, region entrance, and region exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	line crossing, intrusion, region entrance, and region exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	- 20 °C to 550 °C [- 4 °F to 1022 °F]	-20° C to 550° C [-4 °F to +1022°F]	- 20 °C to 550 °C [- 4 °F to 1022 °F]	-20° C to 550° C [-4 °F to +1022°F]	-20°C to 550°C [-4°F to 1,022°F]
Temperature Accuracy	Max (± 2 °C, ±2 %)	Max (±2°C, ±2%)	Max (± 2 °C, ±2 %)	Max (±2°C, ±2%)	Max. (± 2°C, ± 2%)

Model	DS-2TD2537T-100/150	DS-2TD4237T-10/V2	DS-2TD4137T-9/-25/W(B)	DS-2TD4167T-9/-25/W(B)	DS-2TD6237T-25H4LW/50H4LW
Image	 NEW Explosion-proof				 HOT
Thermal Camera Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mk (@ 25°C), F# = 1.0	< 40 mk (@25°C,F#=1.0)	≤ 35 mk (@25°C,F# = 1.0)	≤ 35 mk (@25°C,F# = 1.0)	NETD ≤ 35 mk (25 °C, F# = 1.0)
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	17 μm	17 μm
Max. Resolution (Thermal)	384 × 288	384 × 288	384 × 288	640 × 512	384 × 288
Thermal Lens	Thermal: 10 or 15 mm Optical:4mm	Thermal: 10 mm Optical: 4.8-153 mm	Thermal: 9, 25mm Optical: 6-240 mm, 40x	Thermal: 9, 25mm Optical: 6-240 mm, 40x	Thermal: 25 or 50mm Optical:6 to 240 mm
Optical Camera Sensor	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	1920 × 1080	2688 × 1520, 4 MP	2688 × 1520, 4 MP	2688 × 1520
Min. Illumination	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)	Color: 0.05 lux @ (F1.2, AGC On) B/W: 0.01 lux @ (F1.2, AGC On)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3,AGC ON) B/W: 0.001 Lux @ (F1.3,AGC ON)	Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON)
Field of View (Thermal)	10mm:37.9° × 28.7° 15mm:24.2° × 18.4°	10 mm: 37.7° × 28.7°	9mm: 37.9° × 28.7° (H × V) 25mm: 14.9° × 11.2° (H × V)	9mm: 72.0° × 56.1° (H × V) 25mm: 24.5° × 19.7° (H × V)	25mm:14.88° × 11.19° 50mm: 7.47° × 5.61°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/ H.264
Frame Rate	25 fps	25 fps	50fps	50fps	50 fps
Ingress Protection	IP68	IP66	IP66	IP66	IP66
Pan/Tilt	/	Pan: 360° Continuous Rotate; Tilt: From -5° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to +40° (auto flip)
Audio Input	1 3.5mm Mic in/Line in interface. Line input: 2 to 2.4 V(p-p), output impedance:1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V (p-p), output impedance: 1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear level, impedance: 600 Ω
Alarm Input	2-ch inputs (0 to 5 VDC)	Up to 7-ch input (0-5 VDC)	7-ch inputs (0-5 VDC)	7-ch inputs (0-5 VDC)	7-ch inputs (0 to 5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	100 to 240 VAC, 36 to 57 VDC, PoE (802.3af)	24 VAC	24 VAC ± 25%, 24VDC, 48VDC, 24VAC ± 25%: 5 A, max. 65 W 24VDC: 2.5A, max. 65 W 48VDC: 1.25V, max. 65 W Hi-PoE (Max. 65 W)	24 VAC ± 25%, 24VDC, 48VDC, 24VAC ± 25%: 5 A, max. 65 W 24VDC: 2.5A, max. 65 W 48VDC: 1.25V, max. 65 W Hi-PoE (Max. 65 W)	24 VAC ± 20%, 36 VDC ± 20%, 48 VDC ± 15%, 5 A, max. 120 W
Environmental Requirement	-40°C to 60°C (-40°F to 140°F), 90% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 90% or less	From -40° C to 65° C (-40° F to 149° F); 95% or less	From -40° C to 65° C (-40° F to 149° F); 95% or less	From -40 °C to 65° C (-40 °F to 149 °F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 10 scenes and 8 VCA rules for each scene	Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 10 scenes and 8 VCA rules for each scene	Line Crossing, Intrusion, Region Entrance, and Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Measuring Range	-20°C to 550°C (-4°F to 1,022°F)	-20° C to 550° C (-4 °F to +1022°F)	-20° C to 550° C (-4 °F to 1022° F)	-20° C to 550° C (-4 °F to 1022° F)	-20° C to 550° C (-4 °F to +1022°F)
Temperature Accuracy	Max. (± 2°C, ± 2%)	Max (±2°C, ±2%)	Max (± 2° C, ± 2%)	Max (± 2° C, ± 2%)	Max. (± 2°C, ± 2%)

Model	DS-2TD6267T-25H4LW/50H4LW	DS-2TD6567T-25/-50/H4LX/W	DS-2TD3017T-2V/3V
Image		 NEW Explosion-proof	 HOT
Thermal Camera Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	≤ 35 mK (@25°C, F# = 1.0)	≤ 35 mK (@25°C, F# = 1.0)	< 40 mK (@25°C, F# = 1.1)
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm
Max. Resolution (Thermal)	640 × 512	640 × 512	160 × 120
Thermal Lens	Thermal: 25 or 50mm Optical: 6-240 mm	1/1.8" Progressive Scan CMOS	Thermal: 25 or 50 mm Optical: 6-240mm, 40x
Optical Camera Sensor	1/1.8" Progressive Scan CMOS	2688 × 1520, 4MP	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	Color: 0.005 Lux @ (F1.3, AGC ON), B/W: 0.001 Lux @ (F1.3, AGC ON)	2688 × 1520, 4MP
Min. Illumination	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Thermal: 25 or 50 mm Optical: 6-240mm, 40x	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)
Field of View (Thermal)	25 mm: 24.55° × 19.75° 50 mm: 12.42° × 9.95°	25mm: 24.9° × 20° (H × V) 50mm: 12.4° × 10° (H × V)	2mm: 90° × 66.4° 3mm: 50° × 37.2°
Video Compression	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	50 fps	25 fps	25 fps
Ingress Protection	IP66	IP68	IP67
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -15° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to +90° (auto flip)	/
Audio Input	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	LINE_IN Input/MIC Input; Peak: From 2 to 2.4V(p-p); Output Impedance: 1KΩ±10%	/
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600Ω	/
Alarm Input	Up to 7-ch input (0-5 VDC)	7-ch inputs (0 to 5 VDC)	1-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	1-ch relay outputs, alarm response actions configurable
Power	36 VDC ± 20%, 48 VDC ± 20%, 5 A, max. 120 W	AC 100-240V: max. 0.6A, 75 W	10-30 VDC, Max. 5W PoE (802.3af)
Environmental Requirement	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40°C to 60°C (-40°F to 140°F); Humidity: 90% or Less	From -20 °C to 50 °C (-40 °F to 149 °F); Humidity: 90% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), 10 scenes and 8 VCA rules for each scene.	/
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire and smoke detection, up to 10 fire points and 10 smoke points detectable.	/
Temperature Mesuring Range	-20° C to 550° C [-4 °F to +1022°F]	-20 °C to 550 °C [-4 °F to 1022 °F]	-20° C to 550° C [-4 °F to +1022°F]
Temperature Accuracy	Max (±2°C, ±2%)	Max (±2°C, ±2%)	Max (± 2 °C, ± 2%)

Model	HM-TD5528T-10W/15W	HM-TD5537T-7W/15W/25W	HM-TD5567T-7W/15W/25W	DS-2TD4667T-25A4/W
Image	 NEW	 NEW	 NEW	 NEW
Thermal Camera Sensor NETD	Vanadium Oxide Uncooled Focal Plane Arrays ≤ 35 mK (25°C, F# = 1.0)	Vanadium Oxide Uncooled Focal Plane Arrays ≤ 35 mK (25°C, F# = 1.0)	Vanadium Oxide Uncooled Focal Plane Arrays ≤ 35 mK (25°C, F# = 1.0)	Vanadium Oxide Uncooled Focal Plane Arrays ≤ 35 mK (@25 °C, F# = 1.0)
Pixel Pitch (Thermal)	12 μm	17 μm	17 μm	17 μm
Max. Resolution (Thermal)	256 × 192	384 × 288	640 × 512	640 × 512
Thermal Lens	Thermal: 10 or 15mm	Thermal: 7or 15 or 25mm	Thermal: 7or 15 or 25mm	Thermal: 25 mm
Optical Camera Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)	Color: 0.05 Lux @ (F1.2, AGC ON) B/W: 0.01 Lux @ (F1.2, AGC ON)
Field of View (Thermal)	10mm: 17.46°(H) × 13.14°(V) 15mm: 11.69°(H) × 8.78°(V)	7mm: 54.8°(H) × 42.5°(V) 15mm: 24.55°(H) × 18.54°(V) 25mm: 14.9°(H) × 11.2°(V)	7mm: 88.5°(H) × 73.2°(V) 15mm: 41.7°(H) × 33.3°(V) 25mm: 24.9°(H) × 20°(V)	25 mm: 24.6° × 19.8°
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/ H.264
Frame Rate	25 fps	25 fps	25 fps	25 fps
Ingress Protection	IP67	IP67	IP67	IP67
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -90° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to +90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to +90° (auto flip)
Audio Input	1	1	1	Built-In 2 Mics
Audio Output	1	1	1	Built-In Speaker
Alarm Input	2-ch inputs (0 to 5 VDC)	2-ch inputs (0 to 5 VDC)	2-ch inputs (0 to 5 VDC)	-
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	-
Power	24 VDC	24 VDC	24 VDC	12VDC ± 20%, two-core terminal
Environmental Requirement	From -40 °C to 70 °C; Humidity: 90% or less	From -40 °C to 70 °C; Humidity: 90% or less	From -40 °C to 70 °C; Humidity: 90% or less	From -20°C to 60°C (-68°F to 140°F); Humidity: 90% or Less
VCA	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting
Fire Detection	Dynamic fire and smoke detection, up to 10 fire points	Dynamic fire and smoke detection, up to 10 fire points	Dynamic fire and smoke detection, up to 10 fire points	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20° C to 550° C (-4 °F to 1022°F)	-20° C to 550° C (-4 °F to 1022°F)	-20° C to 550° C (-4 °F to 1022°F)	- 20° C to 550° C (- 4° F to 1022° F)
Temperature Accuracy	Max. (± 2°C, ± 2%)	Max. (± 2°C, ± 2%)	Max. (± 2°C, ± 2%)	Max (± 2° C, ± 2%)
SIM Card Type				MicroSIM
Frequency				LTE FDD: B 1/3/5/7/8/20/28 LTE TDD: B 38/40/41 WCDMA: B 1/5/8
Standard				LTE FDD/LTE TDD/WCDMA
Wi-Fi				Wi-Fi standard: IEEE802.11b, 802.11g, 802.11n Frequency range: 2.4GHz-2.4835GHz Channel bandwidth: Support 20MHz Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Battery Type				Lithium battery
Battery Voltage				10.9V
Battery Capacity				10.5 Ah
Max. Charging Voltage				12.6 V

Software

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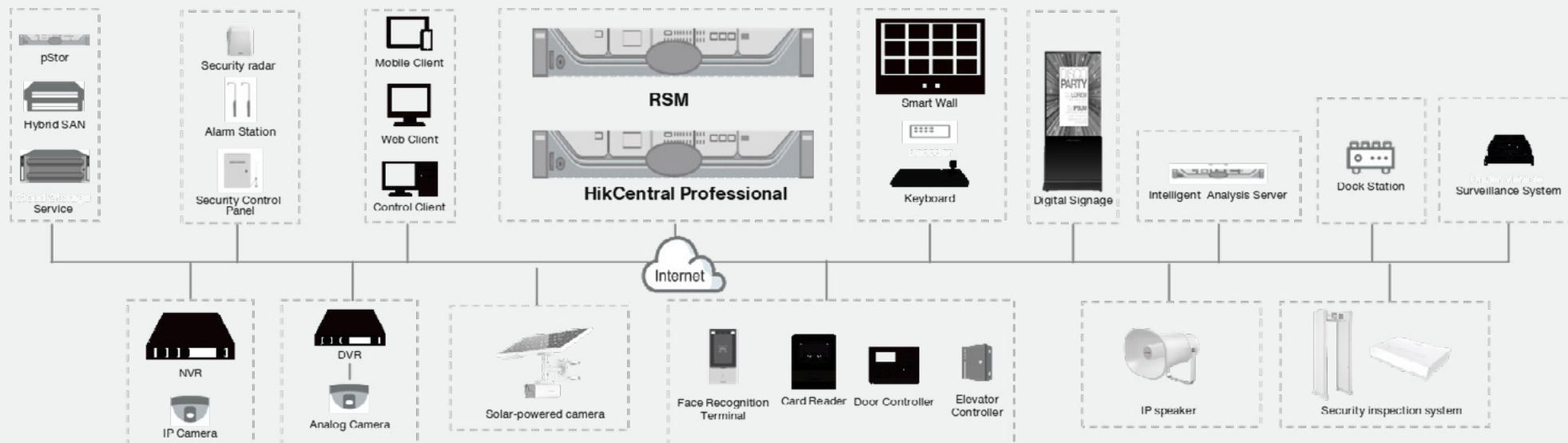


HikCentral Professional

Versatile Security in One Platform

HikCentral Professional, Hikvision's software platform for integrating and managing security systems, is designed to meet a variety of security challenges in one place. With this advanced platform, users can manage individual systems such as video security, access control, security alarms, and more, as well as explore cross-system functionalities. While facilitating protection of people and property, HikCentral Professional makes daily operations more efficient and helps users of all kinds make smarter decisions.

- **Simplifies Deployment and Maintenance** – With a minimum system requirement of Intel i3 CPU and 8 GB RAM, you can have your own security platform deployed with limited hardware cost. Moreover, maintenance of the whole system is much easier with visualized health monitoring in real time.
- **Facilitates Hassle-free Integration** – Through an open architecture design and a series of highly adaptive OpenAPI interfaces, you will enjoy hassle-free integration with a wide range of third-party systems such as ARC and payroll systems.
- **Streamlines Operations and Management** – With situational awareness powered by informative dashboards and interactive E-maps, optimal approaches advised by operation wizards, and the flexibility of a user-defined control panel, you will make smarter decisions fluidly and efficiently.
- **Scales as Business Grows** – By virtue of a flexible and scalable architecture, the platform can be scaled as your business needs evolve. You can expand it from a small 32-channel, 8-door system to an ultra-large-scale system that links up to 100,000 channels of equipment (under the RSM mode).



Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS	Microsoft® Windows 7 SP1 (64-bit) Microsoft® Windows 8.1 (64-bit) Microsoft® Windows 10 (64-bit) Microsoft® Windows Server 2008 R2 SP1 / 2012 / 2012 R2 / 2016 / 2019 (64-bit)
Browser	Internet Explorer 10/11 and above
	Chrome 61 and above
	Firefox 57 and above
Database	Safari 11 and above (running on Mac OS X 10.3/10.4)
	PostgreSQL V11.8
Supported Language	29 languages: English, 简体中文 (Simplified Chinese), Русский (Russian), Български (Bulgarian), Magyar (Hungarian), Deutsch (German), Italiano (Italian), Čeština (Czech), Français (French), Polski (Polish), Nederlands (Dutch), Português (Portuguese), Español (Spanish), Dansk (Danish), Suomi (Finnish), Türkçe (Turkish), 한국어 (Korean), 繁體中文 (Traditional Chinese), ไทย (Thai), Tiếng Việt (Vietnamese), 日本語 (Japanese), العربية (Arabic), Українська (Ukrainian), עברית (Hebrew), Српски (Serbian), Bahasa Malaysia (Malaysian), Português (Brazilian Portuguese), Svenska (Swedish), Romania (Romanian)

Hardware	
CPU	Intel® Core™ i5-4590 @ 3.30 GHz
Memory	8 GB
HDD	At least 650 GB

HikCentral Professional Maximum Performance		
General	Managed Devices	General Performance: 1,024① High Performance: 2,048②
	Areas	3,000
Users and Roles	Users	3,000
	Roles	3,000
	Persons	50,000
Person	Cards	250,000
	Fingerprints	100,000
	Profiles	50,000
On-Board Monitoring	On-Board Devices	500
Audio Broadcast	Speaker Unit	128
Interactive Flat Panel	Applications Uploaded for One Time	100
	Materials	10,000
Digital Signage	Schedules	1,000
	Video Walls	512
	Decoding Devices	32
Smart Wall	Smart Walls	32
	Total Stores	200
BI (Retail/Supermarket Scenario)	People Counting /heat analysis/QueueCameras	1,024
BI (Public Scenario)	Total Analysis Group	200
	Face Comparison Groups	64
Intelligent Analysis	AR Scenes	100
	Cameras	General Performance: 3,000① High Performance: 10,000② High Performance (RSM): 100,000
Video Security	Decoding Devices	32
	Smart Walls	32
	Persons with Profiles for Face Comparison	1,000,000
Face Comparison	Face Comparison Groups	64
	Access Points (Doors + Floors)	1,024
Access Control	Access Schedules	32
	Visitors	100,000
Visitor	Shift Schedules	128
	Persons for Time and Attendance	10,000
	Attendance Reports	16
Time & Attendance	Parking Lots	10
	Parking Spaces	Total: 3,000 In One Floor: 1,024
	Lanes	Total: 40 In One Parking Lot: 32
	Cards Linked with Vehicles	250,000
	Vehicles	500,000
	Vehicle Passing Frequency in Each Lane	1 Vehicle/s
Vehicle and Parking	Alarms	60 million
	Alarms Sent to All Clients	120/s
	Analyzers	General Performance①: 32 High Performance②: 64
Alarm	Walk-Through Metal Detectors	General Performance①: 64 High Performance②: 128
	Security Inspection Channels	General Performance①: 500 High Performance②: 1,000
	Security Inspection Channels	General Performance①: 500 High Performance②: 1,000
	Security Inspection Channels	General Performance①: 500 High Performance②: 1,000

①: The general performance requires Intel® Xeon® E3-1220 or higher.
②: The high performance requires Intel® Xeon® E5-2620 or higher.

HikCentral Connect

Connected Security, Ready to Go

HikCentral Connect – Hikvision's VSaaS platform for unified security management with boosted flexibility, scalability, and cost-effectiveness – is ready to take your business to the next level! For property owners and business managers, it's never been easier to find a tailored security solution for your premises.

- > **Remote Management** – Users take complete control of on-site security of multiple sites at any time, from anywhere.
- > **Budget Friendly** – Minimize your upfront investments and labor costs for maintaining servers via cloud-hosting infrastructure.
- > **Highly Scalable** – Lightweight and easy to scale, the platform grows in scope and size as your business grows.
- > **Secure and Reliable** – No need to worry about hardware risks and system compatibility since it is always up-to-date.
- > **Easy to Deploy** – Quickly deploy security projects without the need to install or maintain a bunch of servers.



HikCentral Connect

Connected Security, Ready to Go



Software	
System Architecture	Web Client / Mobile APP
OS	Microsoft® Windows 7 and above
	iOS 10.0 and later
Browser	Android 5.0 and later
	Internet Explorer 11 and above
	Chrome 61 and above
	Firefox 57 and above
Database	Microsoft® Edge 90 and above
	N/A
Supported Language	18 languages: English, العربية (Arabic), 繁體中文 (Traditional Chinese), Nederlands (Dutch), Français (French), Deutsch (German), Indonesia (Indonesian), Italiano (Italian), 日本語 (Japanese), 한국어 (Korean), Polski (Polish), Português (Portugal), Português (Brazil), Русский (Russian), Español (Spanish), ภาษาไทย (Thai), Türkçe (Turkish), Tiếng Việt (Vietnamese)
Hardware	
CPU	N/A
Memory	N/A
HDD	N/A

HikCentral Connect Maximum Performance per System ①		
General	Encoding Devices	20,000
	Mobile Devices	5,000
	Cloud Storage Boxes	20,000
Users and Roles	Areas	15,000
	Users	20,000
Video Security	Roles	20,000
	Video Channels	100,000
	Alarm Inputs	8,000
	Alarm Outputs	5,000
Vehicle	Recording Schedules	100,000
	Vehicle Route Retention Period	6 months
	Alarms Rules	20,000
Alarm	Arming Schedule Templates	200
	Alarm Record Storage	20,000,000
	Alarm Record Retention Period	6 months
	Concurrent Alarm Handling	1,000 / second
	Concurrent Alarm Pushing	20 /second / client (for 100 clients)
	Retention Period of Alarm-Related Pictures	6 months
Operation Log	Log Retention Period	90 days
Client Logins	Concurrent Portal Logins	200
	Concurrent Mobile Client Logins	200

①The performance of a single HikCentral Connect system can be scaled as needed.

HikCentral Enterprise-Retail

Platform Solution for Retail Business Intelligence

HikCentral Enterprise- Retail is a centralized and intelligent platform that combines reliable video security functionality with intelligent application, helping retailers improve in-store service and increase store profits. HikCentral Enterprise-Retail is suitable for small or middle-sized chain stores, which increases the effectiveness and efficiency. It provides operation management, operation analytics, audit and rating, integrated control, video security, alarm detection and maintenance applications to meet the requirements of retailers who need a boost in operations, management, and more.

- > **Operation Management** - The retail component supports customer and unauthorized-person archive management, searching and viewing store visit records of various types of persons (including customers, regular customers, unauthorized persons, strangers, etc.) , view visitor capture records, visitor comparison records, and search the captured pictures by uploading a picture. And store visit records are also available by mobile.
- > **Customer Traffic Analysis** - The retail component supports multiple customer traffic statistics, such as customer traffic analytics, Walk-In Rate Analytics, Customer Flow Direction Analytics, Customer Expression Analytics. It can exclude clerks and repetitive customers for more accurate customer traffic analytics (based on faces).
- > **Audits and Rating** - Real-time random audits, timed random audits, on-site audits (via E-Store app), image scheduled audits, and video scheduled audits are featured. Users can submit deficiencies found in audits to the audited store for rectification. The deficiency center provides a closed-loop rectification procedure for any issues found in an audit, including rectification, submission of results, and review of the submitted results.



Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS 7.2 64 bit / CentOS 7.4 64 bit / CentOS 7.6 64 bit
OS for Client	Microsoft® Windows 7 (32/64 bit)
	Microsoft® Windows 10 (64 bit)
Browser	Internet Explorer 11 and above
	Chrome 63.0.3239.108 and above
Supported Language	2 languages: English, 简体中文 (Simplified Chinese) (Ukrainian), (Hebrew)
Hardware	
CPU	CPU: 2.16, 8C/16T
Memory	64 GB
HDD	HDD: 1T SATA × 4, 3.5" Enterprise SATA 7.2k HDDs
NIC	1GbE * 2

HikCentral Enterprise-Retail Maximum Performance			
	Items	Max Performance	
Operation Management	Stores	500	
	Archives	3,000,000 archives, including archives of customers and archives of unauthorized persons.	
	Store Visit Notification Time	Within 5s in average for one notification when there are less than 1,000,000 archives; within 10s in average when there are less than 3,000,000 archives.	
	Face Pictures Processed Concurrently	100 Pictures/s (Size of Each Picture: 300 KB)	
	Event Storage	160,000,000 Events	
	Face Counting Camera for Customer Traffic (Face)	Counting Groups	3,000
		Cameras per Counting Group	100
Customer Traffic Retention Period		3 Years	
Dual-Lens People Counting Camera for Customer Traffic (Conventional)	Counting Groups	5,000	
	Cameras per Counting Group	100	
	Traffic Counting Retention Period	5 Years	
Walk-In Rate Analytics	Accessed Dual-Lens People Counting Camera	5,000	
	Counting Groups	2,500	
	Counting Groups per Store	16	
	Cameras per Counting Group	4	
Customer Flow Direction Analytics	Data Storage	2,000,000	
	Data Retention Period	3 Years	
	Counting Groups	5,000	
	Cameras per Counting Group	100	
	Data Retention Period	3 Years	
Heat Map	Queue Management Cameras	3,000	
	Counting Groups	5,000	
	Counting Groups per Store	20	
	Cameras per Counting Group	10	
	Accessed Fisheye Cameras	500	
	Heat Data Storage	8,000,000	
	Heat Data Retention Period	2 Years	

HikCentral Enterprise-Retail Maximum Performance		
	Items	Max Performance
Customer Expression Analytics	Counting Groups	2,500
	Global Counting Groups per Store	1
	Local Counting Groups per Store	16
	Cameras per Counting Group	16
	Data Storage	2,000,000
	Data Retention Period	3 Years
Audit and Rating	Rating Categories	20
	Rating Items in a Rating Category	20
	Deficiencies of a Rating Item	20
	Scene	30
Base Functions	Cameras for a Picture Scheduled Audit Task	100
	Areas	20000
	Organizations	50000
	Users	200000
	Simultaneous Online Users	5000
Events & Alarms	Simultaneous Events	300 Events/s
	Event Storage	72,000,000 Events
	Event Retention Period	3 Years
Maps	Resources in Map	20000
	Maps per Area	4
Video Security	Channels for Video Security	General Performance: 5,000 High Performance: 100,000
	Video Walls	10
	Decoding Devices	128
	Screens per Video Wall	25 × 25
Intrusion	Security Control Panels	100
	Zones	1000
	Zones per Area	1000
	Alarm Records Storage	1,000,000 Records
	Alarm Records Retention Period	3 Years
Panic Alarm	Panic Alarm Devices	500
	Alarm Records Storage	1,000,000 Records
Central Storage	Alarm Records Retention Period	3 Years
	Channels	100,000

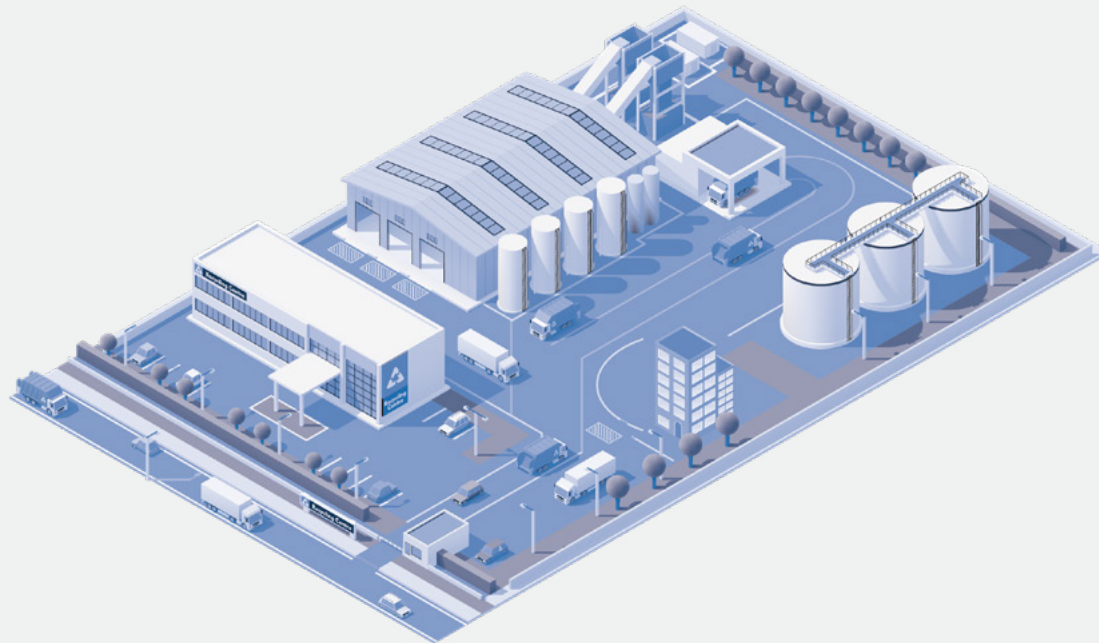
Network Camera PTZ Dome Camera Panoramic Camera Explosion-Proof & Anti-Corrosion Series NVR Network Storage Data Center Thermal Software Accessories DORI Distance

HikCentral Enterprise-Industrial

All-inclusive Platform Solution for Industrial Parks

HikCentral Enterprise-Industrial is a centralized and intelligent platform integrates and links security information by accessing video security devices, single-card system devices, parking lot devices, alarm system devices, and more, to give you diversified intelligent applications. Based on IoT technology, it integrates technologies such as video monitoring, facial recognition, AI, big data, etc., and combine hardware with software.

- > **Industrial Application** – Goods management, dock management, AR-scenario application, AI-model management, remote patrol, thermal analysis, dashboard – it's all here. This system is suitable for industrial sites of commodities businesses, manufacturing industry, and logistics companies. Based on an "Integrated Software Framework", HikCentral Enterprise-Industrial will keep satisfying users' quickly updating needs via its advanced componential technology. This system will excel in every industry with its integration and centralized management of various resources.
- > **Access Control** – The integrated system includes access control, elevator control, visitor management, video intercom, patrols, and other functions to help users manage the access permissions of various personnel and formulate patrol tasks.
- > **Vehicle Control** – Entrance and exit management, parking lot management, parking guidance, checkpoint violation management, etc., constitute a vehicle control system so users can build their own parking payment and violation management system.
- > **Base Functionality** - Includes video security, alarm detection and maintenance applications. Video Security modules provides live viewing, playback, smart video walls, and PTZ control, this system helps users complete daily security inspections and monitoring. Alarm detection modules provides intrusion alarm and panic alarm, supports managing and configuring alarm devices, arming/disarming/clearing alarm of the partition, and arm/disarm all the partitions,.etc. In Operation and Maintenance modules, users can check the status of various devices and services in real time, troubleshooting and making repairs in a timely manner wherever and whenever needed.



Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS 7.2 64 bit / CentOS 7.4 64 bit / CentOS 7.6 64 bit
OS for Client	Microsoft® Windows 7 (32/64 bit)
	Microsoft® Windows 10 (64 bit)
Browser	Internet Explorer 11 and above
	Chrome 73 and later (recommended)
Supported Language	2 languages: English, 简体中文 (Simplified Chinese)
Hardware	
CPU	CPU: 2.16, 8C/16T, 9.66T/s
Memory	64 GB
HDD	HDD: 1T SATA × 4, 3.5" Enterprise SATA 7.2k HDDs
NIC	1GbE * 4

HikCentral Enterprise-Industrial Maximum Performance		
	Items	Max Performance
	Operation Tasks Applied	300 Per Day
	Cameras Linked to an Operation Task	10
	Operation Auto-Switch	100
Safe Production	Inspection Tasks Applied	300 Per Day
	Task Validity	1 Year
	Pictures/Videos as Uploaded Violation Evidence	100,000 Per Day
	Building Types on the Operation Map	20
Goods Management	Sorting Center	128 check points per conveyor line, 5000 check points, Scanning records: 300 items per second, Retention Period: 6 Months, Storage: 360,000,000 records
	Loading Center	5000 check points, Scanning records: 300 items per second, Retention Period: 6 Months, Storage: 360,000,000 records
Dock Management	Docks	500 docks, 30 companies, Retention Period: 2 Years
Thermal Analysis	Thermography Rules	170 thermography cameras, 21 thermography rules per camera
AR Scenario Application	Scenes	10000 scenes, 500 tags per scene
Video Security	Channels for Video Security	5000
	Video Walls	10
	Decoding Devices	16
	Screens per Video Wall	25 × 25
Access Control	Access Control Devices	20000
	Access Points	20000
	Access Records Storage	50,000,000 Records
	Access Records Retention Period	3 Years
	Persons for Time and Attendance	20000
Time & Attendance	Access Records Storage	40,000,000 Records
	Attendance Records Storage	10,000,000 Records
	Access Records Retention Period	3 Years
	Attendance Details Retention Period	3 Years
Elevator Control	Elevator Control Devices	500
	Access Records Storage	20,000,000 Records
	Access Records Retention Period	3 Years

HikCentral Enterprise-Industrial Maximum Performance		
Video Intercom	Residences	10000
	Video Intercom Devices	10000
	Access Records Storage	50,000,000 Records
Parking	Access Records Retention Period	3 Years
	Vehicles per Day	10000
	Parking Lots	5
	Lanes	20
Campus Checkpoint	Parking Spaces	10000
	Registered Vehicles	30000
	Capture Cameras	30
Facial Functions	Display Screens	30
	Passing Vehicle Records Storage	10,000,000 Records
	Passing Vehicle Records Retention Period	3 Years
	Facial Recognition Servers	5
Intrusion	Face Capture Cameras	500
	DeepinMind NVRs	100
	Faces	300000
	Face Groups	16
	Face Pictures per Face Group	30000
	Face Pictures Applied Simultaneously	1.6 Pictures/s
	Simultaneous Facial Recognition Events	200 Events/s
Panic Alarm	Security Control Panels	100
	Zones	1000
	Zones per Area	1000
	Alarm Records Storage	1,000,000 Records
Central Storage	Alarm Records Retention Period	3 Years
	Panic Alarm Devices	500
	Alarm Records Storage	1,000,000 Records
	Alarm Records Retention Period	3 Years
	Channels	5000

HikCentral Enterprise-Education

Intelligent Platform Solution for Education

HikCentral Enterprise-Education is an information technology which has been developed for central management of video monitoring and education. It is a platform for collaborative teaching-learning to connect students and educators virtually and ensure uninterrupted learning with screen sharing. It features flexibility, scalability, high reliability, and powerful functions.

- **Education Application** – This deep vertical application provides education sharing, classroom attendance, and education Digital Signage, school gate Attendance, dorm Attendance. The informatization of education is designed to use information technology to support the use and development of educational resources.
- **Access Control** – The integrated system includes access control, elevator control, visitor management, video intercom, patrols, and other functions to help users manage the access permissions of various personnel and formulate patrol tasks.
- **Vehicle Control** – Entrance and exit management, parking lot management, parking guidance, checkpoint violation management, etc., constitute a vehicle control system so users can build their own parking payment and violation management system.
- **Base Functionality** - Includes video security, alarm detection and maintenance applications. Video Security modules provides live viewing, playback, smart video walls, and PTZ control, this system helps users complete daily security inspections and monitoring. Alarm detection modules provides intrusion alarm and panic alarm, supports managing and configuring alarm devices, arming/disarming/clearing alarm of the partition, and arm/disarm all the partitions,.etc. In Operation and Maintenance modules, users can check the status of various devices and services in real time, troubleshooting and making repairs in a timely manner wherever and whenever needed.



Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS 7.2 64 bit / CentOS 7.4 64 bit / CentOS 7.6 64 bit
OS for Client	Microsoft® Windows 7 (32/64 bit)
	Microsoft® Windows 10 (64 bit)
Browser	Internet Explorer 11 and above
	Chrome 63.0.3239.108 and above
Supported Language	2 languages: English, 简体中文 (Simplified Chinese) (Ukrainian),(Hebrew)
Hardware	
CPU	CPU: 2.1G, 8C/16T
Memory	64 GB
HDD	HDD: 1T SATA × 2, 3.5" Enterprise SATA 7.2k HDDs
NIC	1GbE * 4

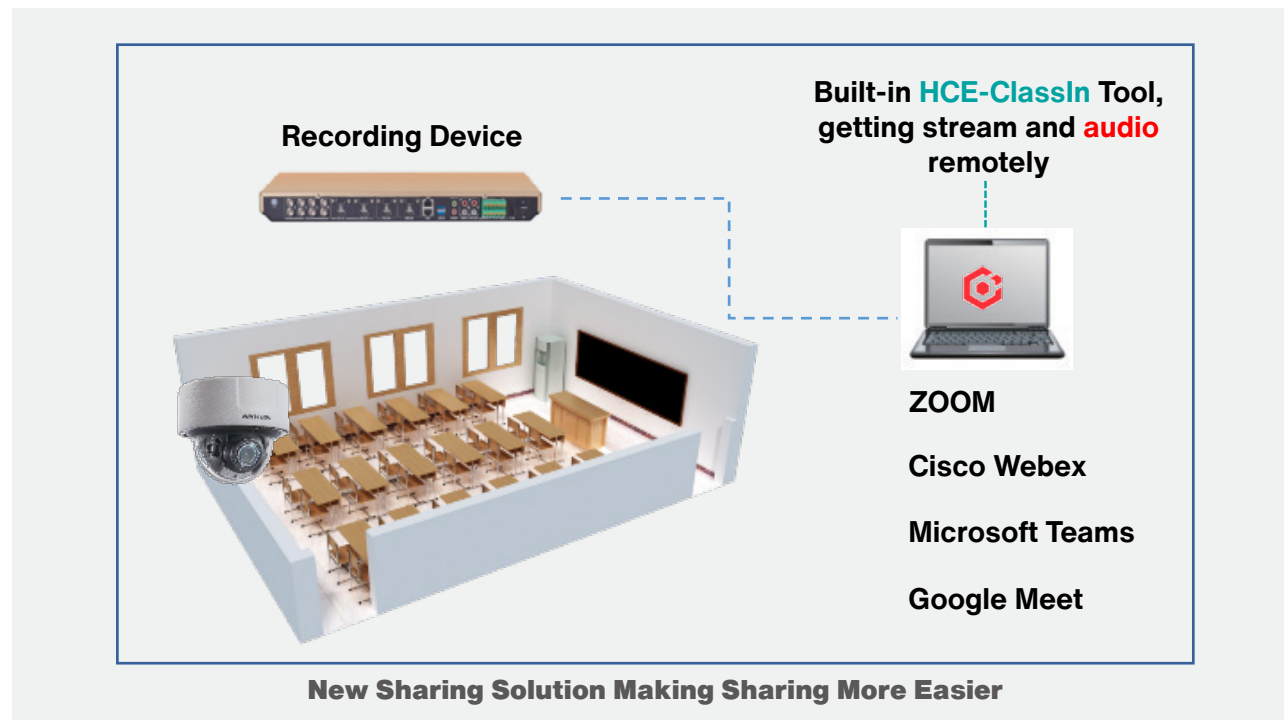
HikCentral Enterprise - Education Maximum Performance		
	Items	Max Performance
Education Application	Classrooms	100
	Teachers and Students	2000
	Persons for Viewing Recorded Courses	50
	Persons for Viewing Live Courses	150
	Classroom Information Release Screen	36
	Classroom Attendance Check Camera	36
	Phase	200
	The grades below each phase	200
	Recording Device	200
	E-Checking Attendance	200
	Organizations	50000
	Areas	20000
	Users	200000
	Roles	10000
General	Persons	300000
	Cards	300000
	Channels for Video Security	100000
	Smart Walls	10
Video Security	Screens per Video Wall	25 * 25
	Event Storage	72000000
Event & Alarm	Simultaneous Events	300/s
	Security Control Panels	100
Intrusion	Zones	1000
	Face Capture Cameras	500
	Faces	300000
Facial Application	Face Groups	16
	Face Pictures per Face Group	30000
Attendance	People for Attendance	200000
Video Intercom	Residences	10000
	Parking Lots	20
Parking	Lanes	60
	Parking Spaces in Total	10000
	Parking Spaces per Floor	2000
	Registered Vehicles	30000
Campus Checkpoint	Checkpoints	30
	Display Screens	30
Central Storage	Channels	100000

HikCentral Enterprise-ClassIn

Remote Training Solution

Hikvision Remote Training Solution, Hikvision's lightweight remote training solution expands the online training scene to better meet the needs of users

- > **High adaptability** - HikCentral Enterprise-ClassIn software is perfectly compatible with the current popular conference software, without changing customers' usage habits, and perfectly makes up for the butting problem between IP devices of the conference software.
- > **Immersive training experience** - High-definition close-up and panorama of the training site are brought to the remote students, with automatic character tracking and automatic switch between close-up and panorama, which greatly improves the training effect compared with the traditional single teacher's profile picture.
- > **Simple operation** - One click before training, complete all configuration operations within 30 seconds, improving ease of use.



HCE-ClassIn

Item	Recommended Requirements
Operating System	Microsoft® Windows 7, Windows 10 (32-bit and 64-bit)
CPU	More than core 8

HikCentral Enterprise-ClassIn Maximum Performance

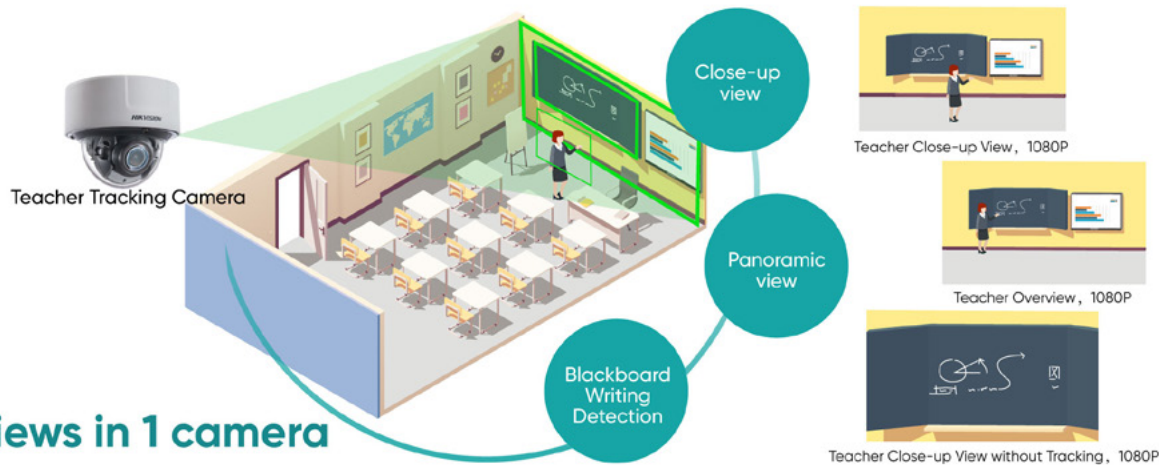
		Items	Max Performance
Video Class		Video	Access Zoom: 1 second delay
		CPU Utilization	Zoom, WebEx, and Microsoft Teams:
		Classrooms	200
		Device Audio	Track: mono sound
		Video Resolution	Unlimited
		Streaming Channels	1
Live Streaming via RTMP		Video and Audio Parameters	Video format: H.264 Audio format: PCM, AAC
		Range	Full main screen
Screen Recording		Recording Format	WMV

HikCentral Enterprise-ClassLink

Synchronous Classroom Tool

Interactive teaching and learning among classrooms, creating opportunities for interaction between teachers and students at various locations simultaneously.

- > **High Compatibility with Conference Software** - Compatible with Zoom, Webex, Teams, and Google Meet.
- > **Compatible with a Wide Range of Devices** - Supports all Hikvision IP devices, including teacher-tracking cameras and other devices.
- > **High Cost-Performance** - Competitive license cost.
- > **Easy Operation** - Quick configuration within 30s. One-touch connection in the classroom. Supports video and audio sharing together.



3 Views in 1 camera

Item	Recommended Requirements
Operating System	Microsoft® Windows 10 (32-bit and 64-bit)
CPU	More than core 4, 2.11GHZ
Memory	More than 8 GB (Recommend)

HikCentral Enterprise-ClassIn Maximum Performance	
Items	Max Performance
CPU usage	Software not in use: less than 2%; software in use: less than 10%
Classrooms	200
Interactive class	1 host and no more than 3 participants
Resolutions	Min. resolution: 1920 × 1080 pixels Max.resolution:3840 × 2160
Whiteboard	15
Courseware	3

HikCentral Master-MobileEnforcement

Mobile Enforcement Application

Targeting users with administrative enforcement authority, including public security and traffic police, HikCentral Master-MobileEnforcement provides evidence management, enforcement event management, real-time command, and other functions.

- > **Evidence Management** - Searching, previewing, downloading, marking, deleting, and archiving of evidence, as well as checking notes and downloading records by enforcement administrators.
- > **Enforcement Event Management** - Creating events, linking evidence, and classifying events by enforcement administrators to improve work efficiency.
- > **Personnel Management** - Tracking patrol routes, receiving SOS alarms, and checking alarm records by enforcement administrators.
- > **Maintenance** - Viewing device status and remotely operating body-worn cameras (including start video recording, start audio recording, start image capturing, and refresh device status) by enforcement center managers.
- > **Enforcement Statistics** - Displaying duty-attendance statistics, event trends, SOS alarm statistics, and event type statistics for enforcement center managers.
- > **Command Center** - Achieving rapid and efficient interaction, real-time commands, live feed, and receiving SOS alarms by enforcement center managers, utilizing maps or resource trees.



Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS 7.4 64 bit
	Microsoft® Windows 7 (32/64 bit)
OS for Client	Microsoft® Windows 10 (64 bit)
	Internet Explorer 11 and above
Browser	Chrome 63.0.3239.108 and above
Supported Language	2 languages: English, 简体中文 (Simplified Chinese) (Ukrainian),(Hebrew)

Hardware	
CPU	CPU: 2.16, 8C/16T
Memory	64 GB
HDD	HDD: 1T SATA × 2, 3.5" Enterprise SATA 7.2k HDDs
NIC	1GbE * 4

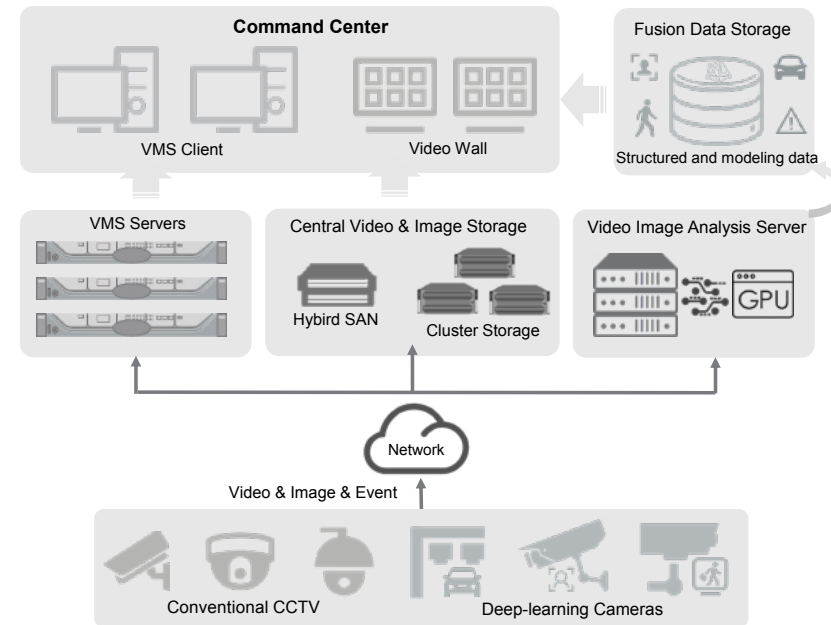
HikCentral Master-MobileEnforcement		
Items		Max Performance
Mobile Enforcement Application	Body Cameras	1000
	Dock Stations	150

HikCentral Master

Comprehensive Platform Solution with Unlimited Expandability

HikCentral Master is an application platform designed for immense, fail-safe distribution of devices and services across multiple locations. Integrating AI, AR, big data, and other capabilities under the AI-Cloud architecture, HikCentral Master supports a virtually unlimited number of devices, users, and sites to meet a diversity of needs for data storage, analysis, and application.

- > **Intelligent Platform Management** – Supports non-stop installation, parameter configuration, server monitoring, and log analysis. Supports cluster management and authorization management.
- > **Intelligent Applications** – Integrating multiple function and application software, the platform extends its applications from video security to those based on AI algorithms, such as ANPR and facial recognition. This makes the platform applicable to scenarios such as public security and intelligent transportation.
- > **Intelligent Scheduling** – Supports dynamic scheduling of computer resources based on integrated management of computers. Supports accessing multiple types of storage devices and integrates their management. It's compatible with devices from multiple manufacturers and multiple algorithms versions
- > **Open Platform** – Supports integration with third-party infrastructure, data, platforms, and applications based on open standards.
- > **Comprehensive Security Mechanism** – Provides security mechanisms for devices, networks, host computers, data, and applications, and supports multiple security control schemes.
- > **Extensibility and Scalability** – Supports expanding the service capacities such as the maximum number of added devices, streaming storage, events, and data libraries. Increases capacity and stability by distributed deployment.
- > **Multiple Usage Scenarios** – Supports assembling various modules into bespoke platforms based on specific usage scenarios.



HCM

What HikCentral Master can do for you ?	
HikCentral Master focuses on data application, data collection, storage, processing, and intelligent applications. It provides data integration, storage and analysis of multidimensional data in the scenario of Edge Domain and Cloud Center, integrated with technologies of Artificial Intelligence and Internet-of-Things (IoT).	
Video Center	Through video inspection, electronic map, video analysis and other technologies, the system can realize video real-time viewing and query, and conduct video map applications and analysis.
Multidimensional Data Fusion	With the functions of fusion search, face search, vehicle search and human body search basing on big data technology, the system can conduct fast query and advanced search on people and vehicles, so as to help users quickly determine personnel and vehicle information.
Intelligent Data Applications	Through AI and big data technology, the system can realize various face tactical functions such as peer analysis, personnel landing, and frequent passing, as well as vehicle tactical functions such as trajectory search, regional collision, and vehicle landing analysis.
Alarm Arming	By target arming and alarm query function, the system can realize arming on the vehicles and people, and configure corresponding alarm rules and linkage rules.
Statistics Center	Through face data statistics, vehicle data statistics, human data statistics and other big data storage and analysis technologies, the system can graphically display the multi-dimensional data friendly.
Video Maintenance and Operation & Management Center	The video maintenance module can achieve intelligent real-time monitoring of the system video running status through cameras online status detection, video content diagnosis and video record inspection. The operation & management center, as an integrator of background services, provides integration capabilities for configuration, logging, and monitoring. It can integrate the component's own monitoring and configuration interface, and provides a single sign-on service for the operation management center.
AR Application	Through AR technology, various images, videos, 3D models, etc. are superimposed on the AR PanoVu camera's view in real time to realize functions such as video labeling, video planning, high-high linkage, high-low linkage, etc., providing a more intuitive and flexible central command and management way.
Mobile Enforcement Application	The application is targeted at users who have administrative law enforcement powers, including public security and traffic police. It provides evidence management, enforcement event management, real-time command and other functions.
Smart Tool	The Smart Tool is a tool collection which contains multiple sub-tools and provides different functions including video playing, video parsing, AI analysis, face detecting and matching, video editing, video converting, picture tagging and comparing, and so on. It is useful and helpful for entities such as police officers to locate a certain suspect whose criminal behavior has been recorded.

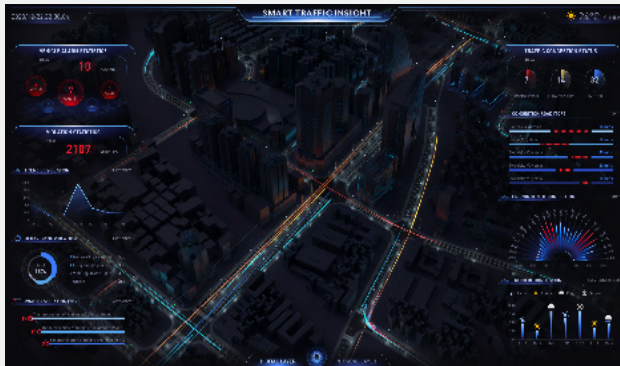
HikCentral iVisual-UIPower

Data visualization fusion platform & InfoCom DataVisual B-visual

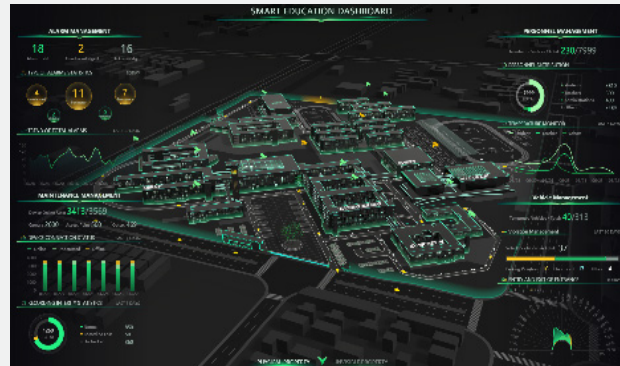
The data visualization platform provides rich and cool visualization themes and data visualization design services to help users quickly, efficiently and accurately achieve business data display and assist users in management and decision-making;It provides multi-dimensional data analysis and complex report services as well as multi-perspective and multi-dimensional data analysis capabilities, and provides fast data source configuration.

Data visualization fusion service is a new intelligent data visualization large screen configuration management platform, the platform focuses on the integration of multiple separate visual large screen through configuration, providing powerful configuration functions, including jump mode, rotation mode, composite mode, flexible combination mode. In addition, the platform also supports importing through bee-eye platform sharing, providing rich resources for users to configure.

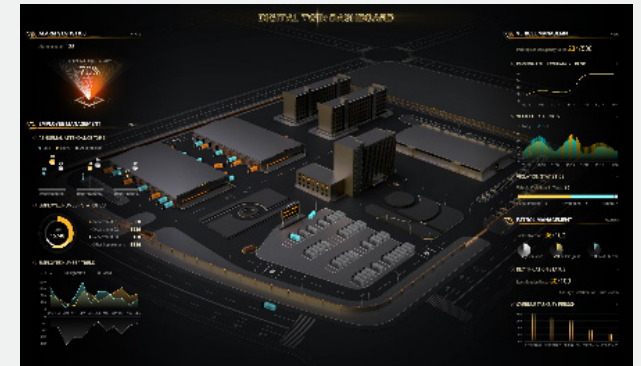
- **Theme Management** - Theme square is for all the released theme effect to display, quick search, and theme hot ranking. My theme is mainly used to manage visual theme template, including theme grouping, theme creation, design, release, improve the efficiency of user visual theme design. The material library is mainly used to manage visual theme design related pictures, videos and other materials, supports to group, upload, replace, delete the material and so on, improve user operation efficiency.
- **Plug-in library** - For the chart and other plug-ins management of the visual theme design, users can according to their own needs to develop the corresponding chart and other plug-ins (such as: map, AR, VR, etc.), through the plug-in integration.
- **Data Source Management** - For operators, it provides data services for visual data display, including databases, REST interfaces, and CSV files.
- **Personal Center** - User personal information management.
- **Theme fusion** - Supports base large screen and fusion large screen. The base large screen is to display all theme effects published on the platform. Fusion large screen is to display the theme effect of the fusion of multiple basic large screens.



Traffic



Education



Industrial

Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS-7-x86_64-DVD-1810 / CentOS-7.4-hik-r4-patch1 / CentOS-7.6-hik-r5-patch3
Browser	Chrome 65.0.0.0 and above
Supported Language	2 languages: English, 简体中文 (Simplified Chinese) (Ukrainian), (Hebrew)
Hardware	
CPU	Core 6 and above
Memory	16G (Linux) 32G (Recommend)
HDD	sata 120G and above
NIC	Intel 1GbE and above

HikCentral Enterprise - Education Maximum Performance			
		Items	Max Performance
Overseas data visualization fusion service	System Management	Single user login response time	<2s
		The response time to switch the function module	<2s
		Number of built-in template view resource packs to import	3 ↑ {ocdvs\opdvs\tidashboard}
	Component resource package management	Number of built-in template view resource packs running at the same time	1. Hce:2 {ocdvs\opdvs} 2. Hcm:1 {tidashboard}
		Schema types	Hce/Hcm
		Maximum views	Unlimited
		View search	If a single user queries the data source, the return time ≤3seconds
		Maximum number of views supported in composite views	Unlimited
	View management	The system supports a maximum number of bee-eye views	3
		View LOGO upload size limit	10M
		Single user login response time	<2s
		The response time to switch the function module	<2s
b visual	System Management	Data source query	If a single user queries the data source, the return time ≤3seconds
		Data source change sort	When a single user sorts data source changes, the return times≤3seconds
		Maximum number of data sources in the system	2W
	Data Source management	Maximum amount of data to be concurrently processed	200
		Plug-in query	If a single user queries the plug-in, the return times≤3seconds
		Maximum number of storage plug-ins in the system	2W
Plug-in management	Theme square Enquiry	If a single user queries a subject, the return time≤3seconds	
	Maximum amount of data per chart when editing a theme	1000	
	Data acquisition of single chart does not exceed	3s	
	Maximum number of themes in the system	2000	
	Maximum number of topic groups in the system	100	
The theme square		2000	

HikCentral-Workstation

A Cost-Effective Product with HikCentral Professional

HikCentral-Workstation is a cost-effective unit embedded with HikCentral Professional software and Windows operating system. Combining the HikCentral Professional server and client, it creates efficient management of the live feed, playback, facial recognition, ANPR, access control, video intercom, alarm management, and more. It is used widely in small- to medium-sized projects and Hikvision's "solutions by scenario."



Model	HikCentral-Workstation/32	HikCentral-Workstation/64/13	HikCentral-Workstation/64	HikCentral-Workstation/128	HikCentral-Workstation/13	HikCentral-Workstation/15	
Image							
Devices and Resources	Cameras *Including ANPR Cameras and Cameras with Face Capture Function	32	64	64	128	128	
	Managed Device IP Addresses *Including Encoding Devices, Access Control Devices, Security Control Devices, and Remote Sites	128	256	256	256	128	256
	Access Points (Doors+Outdoor Station)	8	8	16	16	0	0
	Video Intercom Devices *Including Indoor Station	8	8	16	16	0	0
	Alarm Inputs (Including Zones of Security Control Devices)	32	32	32	32	32	32
	Alarm Outputs	32	32	32	32	32	32
	Alarm Inputs of Security Control Devices	32	32	32	32	32	32
	ANPR Cameras	4	4	8	8	0	8
	Cameras with Face Capture Function	2	2	4	4	0	0
	Security Radars	2	2	2	2	0	0
	Areas	64	64	128	128	64	128
	Cameras per Area	32	32	64	64	32	64
	Alarm Inputs per Area	16	16	32	32	32	32
	Alarm Outputs per Area	16	16	32	32	32	32
Recording	Recording Schedule	64	64	128	128	64	128
	Recording Schedule Template	32	32	32	32	32	32
	Event and Alarm Rules	128	128	128	128	128	128
Event & Alarm	Storage of Events or Alarms without Pictures	5/s	5/s	10/s	10/s	5/s	10/s
	Events or Alarms Sent to Clients *The clients include Control Clients and Mobile Clients.	5/s 8 Clients/s	5/s 8 Clients/s	10/s 16 Clients/s	10/s 16 Clients/s	5/s 8 Clients/s	10/s 16 Clients/s
	Notification Schedule Templates	100	100	100	100	100	100
Picture	Picture Storage *Including event/alarm pictures, face pictures, and vehicle pictures.	5/s	5/s	10/s	10/s	5/s	10/s
	Regular Report Rules	64	64	64	64	64	64
Reports	Event or Alarm Rules in One Event/Alarm Report Rule	32	32	32	32	32	32
	Records in One Sent Report	10,000 or 10 MB	10,000 or 10 MB	10,000 or 10 MB	10,000 or 10 MB	10,000 or 10 MB	10,000 or 10 MB
	Resources Selected in One Report *With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.	20	20	20	20	20	20
Data Storage	Data Retention Period	Stored for 6 Months	Stored for 6 Months	Stored for 6 Months	Stored for 6 Months	Stored for 6 Months	Stored for 6 Months
	Concurrent Accesses via Web Clients and Control Clients	8	8	16	16	8	8
Users and Roles	Concurrent Accesses via Mobile Clients	8	8	16	16	8	8
	Users	8	8	32	32	8	8
	Roles	8	8	32	32	8	8
Vehicle (ANPR)	Vehicle Lists	50	50	50	50	N/A	50
	Vehicles per Vehicle List	500	500	500	500	N/A	500
	Lanes	4	4	4	4	N/A	8
Entrance & Exit	Cards Linked with Vehicles	2,500	2,500	2,500	2,500	N/A	2,500
	Vehicle Passing Frequency in Each Lane	1 Vehicle/s	1 Vehicle/s	1 Vehicle/s	1 Vehicle/s	N/A	1 Vehicle/s
	Persons with Profiles for Face Comparison	10,000	10,000	10,000	10,000	N/A	N/A
Face Comparison	Face Comparison Groups	16	16	16	16	N/A	N/A
	Persons in One Face Comparison Group	1,000	1,000	1,000	1,000	N/A	N/A
	Persons with Credentials for Access Control	3,000	3,000	5,000	5,000	N/A	N/A
	Total Credentials (Card + Fingerprint)	15,000	15,000	25,000	25,000	N/A	N/A
Access Control	Cards	15,000	15,000	25,000	25,000	N/A	N/A
	Fingerprints	12,000	12,000	20,000	20,000	N/A	N/A
	Profiles	3,000	3,000	5,000	5,000	N/A	N/A
	Access Levels	16	16	32	32	N/A	N/A
	Access Schedules	32	32	32	32	N/A	N/A

Decoding Performance of Control Client			
HikCentral-Workstation/32			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	40	44
	H.265	64	40
1920 × 1080	H.264	6	5
	H.265	6	4
2560 × 1440	H.264	3	2
	H.265	3	2
3840 × 2160	H.264	1	1
	H.265	1	1
2560 × 2560 (Fisheye Camera)	H.264	2	2
	H.265	2	2
4000 × 4000 (Fisheye Camera)	H.264	1	1
	H.265	2	1
HikCentral-Workstation/64/13			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	40	44
	H.265	64	40
1920 × 1080	H.264	6	5
	H.265	6	4
2560 × 1440	H.264	3	2
	H.265	3	2
3840 × 2160	H.264	1	1
	H.265	1	1
2560 × 2560 (Fisheye Camera)	H.264	2	2
	H.265	2	2
4000 × 4000 (Fisheye Camera)	H.264	1	1
	H.265	2	1
HikCentral-Workstation/64			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	44	52
	H.265	64	44
1920 × 1080	H.264	8	8
	H.265	9	6
2560 × 1440	H.264	5	4
	H.265	5	3
3840 × 2160	H.264	2	2
	H.265	2	1
2560 × 2560 (Fisheye Camera)	H.264	4	3
	H.265	4	3
4000 × 4000 (Fisheye Camera)	H.264	2	1
	H.265	2	1

Decoding Performance of Control Client			
HikCentral-Workstation/128			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	44	52
	H.265	64	44
1920 × 1080	H.264	8	8
	H.265	9	6
2560 × 1440	H.264	5	4
	H.265	5	3
3840 × 2160	H.264	2	2
	H.265	2	1
2560 × 2560 (Fisheye Camera)	H.264	4	3
	H.265	4	3
4000 × 4000 (Fisheye Camera)	H.264	2	1
	H.265	2	1
HikCentral-Workstation/3			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	40	44
	H.265	64	40
1920 × 1080	H.264	6	5
	H.265	6	4
2560 × 1440	H.264	3	2
	H.265	3	2
3840 × 2160	H.264	1	1
	H.265	1	1
2560 × 2560 (Fisheye Camera)	H.264	2	2
	H.265	2	2
4000 × 4000 (Fisheye Camera)	H.264	1	1
	H.265	2	1
HikCentral-Workstation/5			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	44	52
	H.265	64	44
1920 × 1080	H.264	8	8
	H.265	9	6
2560 × 1440	H.264	5	4
	H.265	5	3
3840 × 2160	H.264	2	2
	H.265	2	1
2560 × 2560 (Fisheye Camera)	H.264	4	3
	H.265	4	3
4000 × 4000 (Fisheye Camera)	H.264	2	1
	H.265	2	1

Hardware Specification

Model	HikCentral-Workstation/32	HikCentral-Workstation/64/13	HikCentral-Workstation/64	HikCentral-Workstation/128	HikCentral-Workstation/3	HikCentral-Workstation/5
Processor	Intel® Core™ i3-8100 (4Cores/6MB/4T/ 3.6GHz/65W);	Intel® Core™ i3-8100 (4Cores/6MB/4T/ 3.6GHz/65W)	Intel® Core™ i5-8500 (6Cores/9MB/6T/ Up to 4.1GHz/65W)	Intel® Core™ i5-8500 (6Cores/9MB/6T/ Up to 4.1GHz/65W)	Intel® Core™ i3-8100 (4Cores/6MB/4T/ 3.6GHz/65W)	Intel® Core™ i5-8500 (6Cores/9MB/6T/ Up to 4.1GHz/65W)
Operating Systems	Microsoft® Windows 10 IoT Ent (64-bit)	Microsoft® Windows 10 IoT Ent (64-bit)	Microsoft® Windows 10 IoT Ent (64-bit)	Microsoft® Windows 10 IoT Ent (64-bit)	Microsoft® Windows 10 IoT Ent (64-bit)	Microsoft® Windows 10 IoT Ent (64-bit)
Memory	2 × 4GB 2666MHz DDR4 UDIMM	2 × 4GB 2666MHz DDR4 UDIMM	2 × 4GB 2666MHz DDR4 UDIMM	2 × 4GB 2666MHz DDR4 UDIMM	2 × 4GB 2666MHz DDR4 UDIMM	2 × 4GB 2666MHz DDR4 UDIMM
Graphics Card	Integrated Intel® HD Graphics 630	Integrated Intel® HD Graphics 630	Integrated Intel® HD Graphics 630	Integrated Intel® HD Graphics 630	Integrated Intel® HD Graphics 630	Integrated Intel® HD Graphics 630
Storage	M.2 256GB SATA Class 20 solid state drive	M.2 256GB SATA Class 20 solid state drive	M.2 256GB SATA Class 20 solid state drive	M.2 256GB SATA Class 20 solid state drive	M.2 256GB SATA Class 20 solid state drive	M.2 256GB SATA Class 20 solid state drive
NIC	Integrated Intel I219-LM Ethernet LAN 10/100/1000	Integrated Intel I219-LM Ethernet LAN 10/100/1000	Integrated Intel I219-LM Ethernet LAN 10/100/1000	Integrated Intel I219-LM Ethernet LAN 10/100/1000	Integrated Intel I219-LM Ethernet LAN 10/100/1000	Integrated Intel I219-LM Ethernet LAN 10/100/1000
I/O Ports	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2
Form Factor	Small Form Factor	Small Form Factor	Small Form Factor	Small Form Factor	Small Form Factor	Small Form Factor
Power Supply	300W typical 90% Efficient PSU (80 PLUS Bronze)	300W typical 90% Efficient PSU (80 PLUS Bronze)	300W typical 90% Efficient PSU (80 PLUS Bronze)	300W typical 90% Efficient PSU (80 PLUS Bronze)	300W typical 90% Efficient PSU (80 PLUS Bronze)	300W typical 90% Efficient PSU (80 PLUS Bronze)
Dimensions (H × W × D)	29cm × 9.26cm × 29.2cm	29cm × 9.26cm × 29.2cm	29cm × 9.26cm × 29.2cm	29cm × 9.26cm × 29.2cm	29cm × 9.26cm × 29.2cm	29cm × 9.26cm × 29.2cm
	(11.42" × 3.7" × 11.5")	(11.42" × 3.7" × 11.5")	(11.42" × 3.7" × 11.5")	(11.42" × 3.7" × 11.5")	(11.42" × 3.7" × 11.5")	(11.42" × 3.7" × 11.5")
Weight	7.57lbs / 5.26kg	7.57lbs / 5.26kg	7.57lbs / 5.26kg	7.57lbs / 5.26kg	7.57lbs / 5.26kg	7.57lbs / 5.26kg
Certification	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL
Warranty	36 Months	36 Months	36 Months	36 Months	36 Months	36 Months

Network Camera
PTZ Dome Camera
Panoramic Camera
Explosion-Proof & Anti-Corrosion Series
NVR
Network Storage
Data Center
Thermal
Software
Accessories
DORI Distance


HikCentral-Storage

A flexible, reliable, and powerful product with HikCentral Professional

- > Linux operating system and HikCentral Professional pre-installed
- > Integration of central management and storage, information sharing, convenient connection and multi-service cooperation
- > Capable of adding devices for management, live view, storage and playback of video files, alarm linkage, access control, and so on.



HikCentral-Storage










Model	HikCentral-Storage/256/16H
Image	
Hardware Specification	
Operating System	Embedded Linux
Main Processor	Quad-Core Intel® Xeon® Processor E3 V5 Series
Memory	16GB DDR4. ECC parity. Extendable up to 64 GB
System Bandwidth	Multi-address/net fault-tolerance mode: 768 Mbps; Load balancing mode: 1,000 Mbps
Number of Storage Channels	256
HDMI 1 Output	1024 × 768/60 Hz
HDMI 2 Output	1024 × 768/60 Hz
VGA Output	1024 × 768/60 Hz
Video Output Mode	HDMI1/HDMI2/VGA simultaneous output
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Audio Input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Network Mode	Net fault-tolerance, load balance, multi-address
Network Interface	4 × RJ45 10M/100M/1000M self-adaptive Ethernet interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, RAID60, JBOD
SSD	Industrial-level SSD with 128 GB capacity
SATA	16 SATA interfaces supporting hot-swapping (except the HDD at the first slot which contains the system disk)
eSATA	1 eSATA interface
Capacity	Up to 10 TB capacity for each disk
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	16/8
Extension Board	The extension board is optional to support. It has four 10M/100M/1000M optical interfaces (1.25 Gbps SFP module), eight RS-485 interfaces, 32 alarm inputs, and 16 alarm outputs.
Power Parameter	100 to 240 VAC, 50 to 60 Hz, redundant power supply
Consumption	≤ 140 W (without HDD)
Working Temperature	0 °C to 50 °C (32 °F to 122 °F);
Working Humidity	10% to 90% RH (no freezing and no condensation)
Chassis	3U
Dimension (W × D × H)	446 × 495 × 133 mm (17.6 × 19.5 × 5.2 inch)
Weight	≤ 17 kg (37.5 lb.)

Software Specification		
	Features	Maximum Performance
Devices and Servers	Cameras	256
	Video Intercom Devices	64
	Alarm Inputs	64
	Alarm Outputs	64
	ANPR Cameras	32
	Facial Recognition Cameras	16
	Security Radars and Radar PTZ Cameras	16
	Recording Server	16
	People Counting Cameras	16
	Heat Map Cameras	16
Recording	Thermal Cameras	16
	Queue Management Cameras	16
	Recording Schedule	64
Event & Alarm	Recording Schedule Template	32
	Event and Alarm Rules	1,500
	Storage of Events or Alarms without Pictures	100/s
Storage	Events or Alarms Sent to Clients	15/s, 32 Clients/s
	Picture Storage *Including event/alarm pictures, face pictures, and vehicle pictures.	20/s
Users and Roles	Data Retention Period	Stored for 3 Years
	Concurrent Accesses via Web Clients, Control Clients, and OpenAPI Clients	32
	Concurrent Accesses via Mobile Clients and OpenAPI Clients	32
	Users	256
	Roles	32
Entrance & Exit	Vehicle Lists	100
	Vehicles per Vehicle List	5,000
	Lanes	8
Face Comparison	Vehicle Passing Frequency in Each Lane	1 Vehicle/s
	Persons with Profiles for Face Comparison	10,000
	Face Comparison Groups	16
	Persons in One Face Comparison Group	1,000
	Access Control	10,000
	Total Credentials (Card + Fingerprint)	50,000
	Cards	50,000
	Fingerprints	40,000
	Profile Pictures	10,000
	Access Points (Doors + Outdoor Station)	128
Time and Attendance	Access Levels	256
	Persons for Time and Attendance	10,000
	Shift Schedules	128
	Major Leave Types	64
Smart Wall	Minor Leave Types of One Major Type	128
	Decoding Devices	32
	Smart Walls	32
	Views Auto-Switched Simultaneously	32







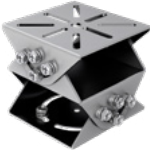


Accessories












Recommended brackets for Hikvision IP camera

		Indoor			Indoor housing		Outdoor housing
	DS-2CD4C26FWD-AI(P) DS-2CD4C36FWD-AI(P) DS-2CD4026FWD-A/P						
		DS-1299ZJ	DS-1292ZJ	DS-1332HZ	DS-1330HZ	DS-1331HZ series	DS-1340HZ
	DS-2CD382360	Pendant mount	Wall mount	Indoor housing	Indoor housing	Outdoor housing	Outdoor housing
	DS-2CD502660-API DS-2CD504660-API DS-2CD506560-API DS-2CD508560-API DS-2CD50C560-API DS-2CD702660I/PI-API DS-2CD704660-API DS-2CD708560-API	Hik white Aluminum alloy 77 × 77 × 198 mm 165 g	Hik white Aluminum alloy 70 × 97.1 × 217.9 mm 201 g	Hik white Aluminum alloy 288 × 149 × 100 mm 800 g	Hik white Complex fiber 290 × 142 × 92 mm 640 g	Hik white Aluminum alloy	Three-axis adjustment Containing combined wires and fan IK10








Recommended brackets for Hikvision IP camera





	DS-2CD502860/E-HI				
		DS-1293ZJ-P	DS-1269ZJ-P	DS-1214ZJ-TP	DS-1233ZJ-P
		Wall mount	Pendant mount	Horizontal pole mount	Column mount
		Platinum gray Aluminum alloy 88 x 116.6 x 297.3 mm 473 g	Platinum gray Aluminum alloy 493 x 246 x 88 mm 480 g	Platinum gray Steel (mounting board) & Stainless Steel (clamp)	Platinum gray Steel Φ160 x 1093 mm 6200 g
					
		DS-1232ZJ-P	DS-1232ZJ-TP	DS-1275ZJ-P-SUS	DS-1275ZJ-SUS
		Cardan joint	Cardan joint	Vertical pole mount	Vertical pole mount
		Platinum gray Steel 126 x 103.5 x 83 mm 790 g	Platinum gray Steel 96 x 95 x 92.5 mm	Platinum gray Stainless steel 127 x 46 x 250 mm Match up with wall mount (DS-1293ZJ-XX)	Hikvision white Stainless steel 127 mm x 46 mm x 250 mm (5" x 1.81" x 9.84") 1480 g (3.26 lb.) Match up with wall mount(DS-1293ZJ-XX(B))





Recommended brackets for Hikvision IP camera

	DS-2CD5026G0/E-II(H) DS-2CD7026G0/EP-II(H)				
		DS-1293ZJ	DS-1214ZJ	DS-1275ZJ-SUS	DS-1269ZJ
		Wall mount	Horizontal pole mount	Vertical pole mount	Pendant mount
		Hik white Aluminum alloy 88 × 116.6 × 297.3mm 473 g	Hik white Steel (mounting board) & Stainless steel (clamp) 117 × 226 × 194 mm Diameter of clamp: Ø67-127 mm 1895 g	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1293ZJ,DS-2202ZJ)	Hik white Aluminum alloy 493 × 246 × 88 mm 480 g
					
		DS-1233ZJ	DS-1276ZJ-SUS	DS-1674ZJ	DS-2202ZJ
		Column mount	Corner mount	Junction box	Wall mount
		Hik white Steel Ø160 × 1093 mm 6200 g	Hik white Stainless steel 126 × 105 × 250 mm 2280 g Match up with wall mount (DS-1293ZJ,DS-2202ZJ)	Hikvision white Aluminum alloy 310 mm × 208.9 mm × 89 mm (12.20" × 8.22" × 3.50") 2380 g (5.25 lb.)	Hikvision white Aluminum alloy ADC12 300.7 mm × 250.2 mm × 107.9 mm (9.85" × 9.85" × 4.25") 1250 g (2.76 lb.)

Recommended brackets for Hikvision IP camera









	<p>DS-2CD6026FWD/E-(H) DS-2CD6233F/E-(H)(IR5)(IRA) DS-2CD4035FWDE -(H)(IR5)(IRA)(HIR5)(HIRA) DS-2CD4065FE -(H)(IR5)(IRA)(HIR5)(HIRA) DS-2CD4085FE -(H)(IR5)(IRA)(HIR5)(HIRA) DS-2CD4026FWDE -(H)(IR5)(IRA) DS-2CD4026FWD/P-L DS-2CD4026FWD/P -(IR5)(IRA)(INRA)(HIRA)(B)</p>	 <p>DS-1293ZJ</p> <p>Wall mount</p> <p>Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g</p>	 <p>DS-1214ZJ</p> <p>Horizontal pole mount</p> <p>Hik white Steel(mounting board) & Stainless steel (clamp) 117 × 226 × 194 mm Diameter of clamp: Ø67-127mm 1895 g</p>	 <p>DS-1275ZJ-SUS</p> <p>Vertical pole mount</p> <p>Hikvision white Stainless steel 127 mm × 46 mm × 250 mm [5" × 1.81" × 9.84"] 1480 g (3.26 lb.) Match up with wall mount (DS-1293ZJ-XX(B))</p>	 <p>DS-1269ZJ</p> <p>Pendant mount</p> <p>Hik white Aluminum alloy 493 × 246 × 88 mm 480 g</p>	 <p>DS-1233ZJ</p> <p>Column mount</p> <p>Hik white Steel Φ160 x 1093 mm 6200 g</p>	 <p>DS-1276ZJ-SUS</p> <p>Corner mount</p> <p>Hik white Stainless steel 126 × 105 × 250 mm 2280 g Match up with wall mount (DS-1293ZJ-XX)</p>
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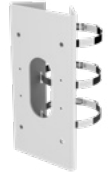

Recommended brackets for Hikvision IP camera			
	DS -2CD6412FWD -10/11/20/21/30/31		
		DS-1290ZJ-BL	DS-1291ZJ-BL
	DS -2CD6424FWD -10/20/30/40(E1/E2)	Clamp bracket	Desktop/Pendant mount
		Black Plastic 90 x 70 x 22 mm	Black Plastic 87 x 73 x 73 mm

Recommended brackets for Hikvision IP camera		
	DS-2CD306360-I DS-2CD304360-I DS-2CD302360-I	
		DS-1280ZJ-XS
	DS-2CD306360-I DS-2CD304360-I DS-2CD302360-I	Junction box
	DS-2CD302160-I(U) DS-2CD304160-I	Hik white Aluminum alloy Ø100 x 43.2 x 129 mm 320 g






Recommended brackets for Hikvision IP camera					
Indoor/Outdoor				Outdoor	
 	DS-2CD4A26FWD-(I Z P)(I ZS P) (I ZHS P)(L ZS P) DS-2CD4A45G0-I Z(H S) DS-2CD4B45G0-I ZS DS-2CD4B25G0-I ZS DS-2CD4B36FWD-(I Z S) DS-2CD4B26FWD-I ZS				
		DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1275ZJ-S-SUS	
		Vertical pole mount	Corner mount	Vertical pole mount	Rubber sleeve with weather proof
		Hikvision white Stainless steel 127 mm x 46 mm x 250 mm (5" x 1.81" x 9.84") 1480 g (3.26 lb.)	Hik white Stainless steel 126 x 105 x 250 mm 2280 g	Hik white Stainless steel 144 mm x 131.6 mm x 44.3 mm (5.67" x 5.18" x 1.74") 760 g (1.68 lb.)	
				Hik white rubber	

Recommended brackets for Hikvision IP camera









	<p>DS-2CD3663G0-IZS DS-2CD3643G0-IZS DS-2CD3623G0-IZS DS-2CD3685G0-IZS DS-2CD3665G0-IZS DS-2CD3645G0-IZS DS-2CD3625G0-IZS</p>				
		DS-1475ZJ-SUS	DS-1476ZJ-SUS	DS-1275ZJ-S-SUS	DS-2251ZJ
	<p>DS-2CD3683G1-IZ(S) DS-2CD3663G1-IZ(S) DS-2CD3643G1-IZ(S) DS-2CD3623G1-IZ(S) DS-2CD3685G1-IZ(S) DS-2CD3665G1-IZ(S) DS-2CD3645G1-IZ(S) DS-2CD3625G1-IZ(S)</p>	Vertical pole mount	Corner mount	Vertical pole mount	Column mount
	<p>DS-2CD5A26G0-IZ(H)S DS-2CD5A46G0-IZ(H)S DS-2CD5A65G0-IZ(H)S DS-2CD5A85G0-IZ(H)S DS-2CD5AC5G0-IZ(H)S DS-2CD7A26G0I/P-IZ(H)S DS-2CD7A46G0I/P-IZ(H)S DS-2CD7A85G0-IZ(H)S DS-2CD5A26G1-IZ(H)S DS-2CD5A46G0-IZ/UH DS-2CD5A46G1-IZ(H)S DS-2CD5A85G1-IZ(H)S</p>	<p>Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Ø67-127 mm 1205 g</p>	<p>Hik white Stainless steel 126 × 105 × 250 mm 2280 g</p>	<p>Hik white Stainless steel 144 mm × 131.6 mm × 44.3 mm [5.67" × 5.18" × 1.74"] 760 g (1.68 lb.)</p>	<p>Hikvision white Alloy Ø 250 mm × 1570.08 mm (Ø 9.84" × 61.81") Approx. 3308 g (7.29 lb.)</p>
	DS-2CD7A26G0/P-LZ(H)S				

Recommended brackets for Hikvision IP camera			
	DS-2CD5A26G0-IZ(H)SY DS-2CD5A46G0-IZ(H)SY DS-2CD7A26G0-IZ(H)SY DS-2CD7A46G0-IZ(H)SY		
		DS-1475ZJ-Y	DS-1476ZJ-Y
	Vertical pole mount	Corner mount	
	Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Ø67-127 mm 1205 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g	








Recommended brackets for Hikvision IP camera		
 	DS-2CD4626FWD-IZ(H)S(P)	
		DS-1275ZJ-4626
	Vertical pole mount	
	iDS-2CD8626G0/P-IZS(Y)	Hik white Steel (mounting board) & Stainless steel (clamp) 127 × 46 × 250 mm 1235 g

Recommended brackets for Hikvision IP camera				
	DS-2CD3T63G0-2I/4(S) DS-2CD3T43G0-2I/4(S) DS-2CD3T23G0-2I/4(S)			
		DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1275ZJ-S-SUS
	Vertical pole mount	Corner mount	Vertical pole mount	
	DS-2CD3T85G0-4S(B) DS-2CD3T65G0-4S(B) DS-2CD3T45G0-4S(B) DS-2CD3T25G0-4S(B)	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.)	Hik white Stainless steel 126 × 105 × 250 mm 2280 g	Hik white Stainless steel 144 mm × 131.6 mm × 44.3 mm (5.67" × 5.18" × 1.74") 760 g (1.68 lb.)


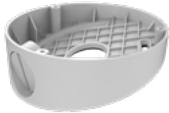










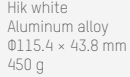
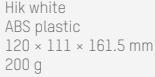


Recommended brackets for Hikvision IP camera

	DS-2CD712660-IZS DS-2CD712660/L-IZS DS-2CD714660-IZS DS-2CD718560-IZS DS-2CD512660-IZS DS-2CD514660-IZS DS-2CD516560-IZS DS-2CD518560-IZS DS-2CD51C560-IZS							
		DS-1271ZJ-130	DS-1273ZJ-130	DS-1273ZJ-130B	DS-1227ZJ	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1281ZJ-DM23
		Pendant mount	Wall mount	Wall mount	In-ceiling mount	Vertical pole mount	Corner mount	Inclined ceiling mount
		Hik white Aluminum alloy Ø150 × 565 mm 1900 g	Hik white Aluminum alloy 132 × 183.5 × 228.5 mm 690 g	Hik white Aluminum alloy with junction box 132 × 243 × 288.5 mm 1475 g	Hik white Aluminum alloy & ABS Plastic Ø210 × 90 mm 540 g	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1273ZJ-XX(B))	Hik white Aluminum alloy Ø136 × 48 mm 245 g







Recommended brackets for Hikvision IP camera

	DS-2CD354560-IS DS-2CD352560-IS						
		DS-1272ZJ-120	DS-1271ZJ-120	DS-1276ZJ-SUS	DS-1280ZJ-DM46	DS-1275ZJ-SUS	DS-1272ZJ-120B
		Wall mount	Pendant mount	Corner mount	Junction box	Vertical pole mount	Wall mount
		Hik white Aluminum alloy 120 × 122 × 173.5 mm 430 g	Hik white Aluminum alloy Ø150 × 573 mm 1900 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1272ZJ-XX(B))	Hik white Aluminum alloy Ø 120 mm × 37.2 mm (Ø 4.72" × 1.46") 250 g	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1272ZJ-XX(B))	Hik white Aluminum alloy with junction box 123 × 180 × 223 mm 1225 g








Recommended brackets for Hikvision IP camera

	DS-2CD316360-1(S) DS-2CD314360-1(S) DS-2CD312360-1(S) DS-2CD3185G0-1S DS-2CD314560-1S DS-2CD312560-1S						
		DS-1259ZJ	DS-1271ZJ-110	DS-1272ZJ-110	DS-1272ZJ-110B	DS-1276ZJ-SUS	
		Inclined ceiling mount	Pendant mount	Wall mount	Wall mount	Corner mount	
		DS-2CD312160-1					
			DS-1280ZJ-DM18	DS-1258ZJ	DS-1250ZJ	DS-1275ZJ-SUS	
			Junction box	Wall mount	Rain shade	Vertical pole mount	
	DS-2CD314160-1						
		DS-1250ZJ	DS-1258ZJ	DS-1250ZJ	DS-1275ZJ-SUS		
		Junction box	Wall mount	Rain shade	Vertical pole mount		
		Hik white ABS plastic Ø111 × 39.2 mm 200 g	Hik white Aluminum alloy Ø150 × 560 mm 1900 g	Hik white Aluminum alloy 120 × 122 × 169 mm 420 g	Hik white Aluminum alloy with junction box 123 × 180 × 227.8 mm 1205 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1272ZJ-XX(B))	
		Hik white Aluminum alloy Ø115.4 × 43.8 mm 450 g	Hik white ABS plastic 120 × 111 × 161.5 mm 200 g	Hik white Composite Fibre 264.7 × 152 × 189.6 mm 199 g	Hik white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1272ZJ-XX(B))		

Recommended brackets for Hikvision IP camera

	DS-2CD3185G0-IMS DS-2CD3125G0-IMS					
		DS-1272ZJ-120-TR15	DS-1272ZJ-120B	DS-1271ZJ-120	DS-1276ZJ-SUS	DS-1275ZJ-SUS
		Wall mount	Wall mount	Pendant mount	Corner mount	Vertical pole mount
		Hikvision White Aluminium Alloy 120 mm × 122 mm × 173 mm [4.72" × 4.80" × 6.81"] Approx. 460 g [1.01 lb.]	Hik white Aluminum alloy with junction box 123 × 180 × 223 mm 1225 g	Hik white Aluminum alloy Ø150 × 573 mm 1900 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount [DS-1272ZJ-XX(B)]	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm [5" × 1.81" × 9.84"] 1480 g [3.26 lb.] Match up with wall mount [DS-1272ZJ-XX(B)]

Recommended brackets for Hikvision IP camera

	DS-2CD3765G1-IZ(S) DS-2CD3745G1-IZ(S) DS-2CD3725G1-IZ(S) DS-2CD3783G1-IZ(S) DS-2CD3763G1-IZ(S) DS-2CD3743G1-IZ(S) DS-2CD3723G1-IZ(S)						
		DS-1471ZJ-155	DS-1473ZJ-155	DS-1475ZJ-SUS	DS-1473ZJ-155B	DS-1476ZJ-SUS	DS-1227ZJ-DM37
		Pendant mount	Wall mount	Vertical pole mount	Wall mount	Corner mount	In-ceiling mount
		Hik white Aluminum alloy Ø155 × 150 × 565 mm	Hik white Aluminum alloy 155 × 183.5 × 240 mm	Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Ø67-127 mm 1205 g Match up with wall mount [DS-1473Z-XX(B)]	Hik white Aluminum alloy 243 × 123 × 300 mm 1750 g [3.86 lb.]	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount [DS-1473ZJ-XX(B)]	Hik white Steel and Plastic Ø 225 mm × 98.2 mm [8.86" × 3.87"] 700 g [1.54 lb.]







Recommended brackets for Hikvision IP camera








DS-2CD3785G1-IZ(S)
 DS-2CD3765G1-IZ(S)
 DS-2CD3745G1-IZ(S)
 DS-2CD3725G1-IZ(S)
 DS-2CD3783G1-IZ(S)
 DS-2CD3763G1-IZ(S)
 DS-2CD3743G1-IZ(S)
 DS-2CD3723G1-IZ(S)

						
DS-1471ZJ-155	DS-1473ZJ-155	DS-1475ZJ-SUS	DS-1280ZJ-DM55	DS-1473ZJ-155B	DS-1476ZJ-SUS	DS-1227ZJ-DM44
Pendant mount	Wall mount	Vertical pole mount	Junction box	Wall mount	Corner mount	In-ceiling mount
Hik white Aluminum alloy Ø155 × 150 × 565 mm	Hik white Aluminum alloy 155 × 183.5 × 240 mm	Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Ø67-127 mm 1205 g Match up with wall mount (DS-1473Z-XX(B))	Hikvision white Aluminum alloy Ø 155 mm × 36 mm (Ø 6.1" × 1.42") 300 g (0.66 lb.)	Hik white Aluminum alloy 243 × 123 × 300 mm 1750 g (3.86 lb.)	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1473ZJ-XX(B))	Hikvision white SECC, PC&ABS Ø 256.1 mm × 75.9 mm (Ø 10.08" × 2.99") Approx. 608.5 g (1.34 lb.)










Recommended brackets for Hikvision IP camera

	DS-2CD4026FWD-IZ(S) DS-2CD4036FWD-IZ(S)						
		DS-1273ZJ-DM32	DS-1271ZJ-DM32	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1227ZJ-DM32	
		Wall mount	Pendent mount	Vertical pole mount	Corner mount	In-ceiling mount	
Hikvision white Aluminum alloy 183.5 × 142 × 232 mm		Hikvision white Aluminum alloy Ø150 × 565 mm		Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1273ZJ-XX(B))		Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1273ZJ-XX(B))	











Recommended brackets for Hikvision IP camera

	DS-2CD552660-IZ(H)SY DS-2CD554660-IZ(H)SY DS-2CD752660-IZ(H)SY DS-2CD754660-IZ(H)SY				
		DS-1471ZJ-155-Y	DS-1473ZJ-155-Y	DS-1475ZJ-SUS-Y	DS-1476ZJ-SUS-Y
		Pendant mount	Wall mount	Vertical pole mount	Corner mount
Hik white Aluminum alloy Ø155 × 150 × 565 mm		Hik white Aluminum alloy 155 × 183.5 × 240 mm		Hik white Stainless steel 250 × 127 × 46 mm Diameter of clamp: Ø67-127 mm 1205 g Match up with wall mount (DS-1473ZJ-XX(B))	
				Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1473ZJ-XX(B))	

Recommended brackets for Hikvision IP camera

	<p>DS-2CD5526G0-IZ(H)S DS-2CD5546G0-IZ(H)S DS-2CD5565G0-IZ(H)S DS-2CD5585G0-IZ(H)S DS-2CD55C5G0-IZ(H)S DS-2CD7526G0-IZ(H)S DS-2CD7546G0-IZ(H)S DS-2CD7585G0-IZ(H)S DS-2CD5526G1-IZ(H)S DS-2CD5546G1-IZ(H)S DS-2CD5585G1-IZ(H)S</p>				
		DS-1471ZJ-155	DS-1473ZJ-155	DS-1475ZJ-SUS	DS-1476ZJ-SUS
		Pendant mount	Wall mount	Vertical pole mount	Corner mount
		Hik white Aluminum alloy Ø155 × 150 × 565 mm	Hik white Aluminum alloy 155 × 183.5 × 240 mm	Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Ø67-127 mm 1205 g Match up with wall mount (DS-1473ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1473ZJ-XX(B))
					
		DS-1473ZJ-155B	DS-1253ZJ-L	DS-1250ZJ	DS-1227ZJ-DM42
		Wall mount	Rain shade	Rain shade	In-ceiling mount
		Hik white Aluminum alloy 243 × 123 × 300 mm 1750 g (3.86 lb.)	Hik white Composite fibre Ø225.1 × 98 mm 198 g Match up with wall mount (DS-1473ZJ-155)	Hik white Composite fibre 264.7 × 152 × 189.6 mm 199 g	Hik white Steel and Plastic Ø 225 mm × 98.1 mm (Ø 8.86" × 3.86") 710 g (1.57 lb.)






Recommended brackets for Hikvision IP camera

	<p>DS-2CD6362F-IV(S) DS-2CD6332FWD-IV(S) DS-2CD6302F-IV(S) DS-2CD636560E-IV(S) DS-2CD636560-IV(S) DS-2CD63C560E-IV(S) DS-2CD63C560-IV(S)</p>					
		DS-1271ZJ-DM25	DS-1273ZJ-DM25	DS-1280ZJ-DM25	DS-1281ZJ-DM25	DS-1283ZJ
		Pendant mount	Wall mount	Junction box	Inclined ceiling mount	Three axis adjustment
		Hik white Aluminum alloy Ø149.5 × 555 mm 1930 g	Hik white Aluminum alloy 183.5 × 164 × 231.7 mm 900 g	Hik white Aluminum alloy 178.5 × 164 × 41 mm 340 g	Hik white Aluminum alloy 157.1 × 164 × 45.5 mm 300 g	Hik white Aluminum alloy 167.5 × 167.5 × 48.7 mm
						
		DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1274ZJ-DM25	DS-1281ZJ-DM25-B	
		Vertical pole mount	Corner mount	Corner mount	Pendant mount	
		Hik white Stainless steel 127 × 46 × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1283ZJ, DS-1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1283ZJ, DS-1273ZJ-XX(B))	Hik white Aluminum Alloy & Plastic 209 × 195 × 114 mm	Hik white Aluminum alloy & Plastic 161 × 156 × 165.5 mm	

Recommended brackets for Hikvision IP camera



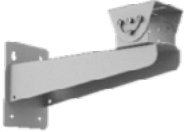

	DS-2CD3363G0-I DS-2CD3343G0-I DS-2CD3323G0-I							
		DS-1273ZJ-130-TRL	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1280ZJ-DM8	DS-1281ZJ-M	DS-1271ZJ-130-TRL	DS-1273ZJ-130B-TRL
		Wall mount	Vertical pole mount	Corner mount	Junction box	Inclined ceiling mount	Pendant mount	Wall mount
		Hik white Aluminum alloy 131 × 183.5 × 228.5 mm 890 g	Hik white Aluminum alloy 131 × 183.5 × 228.5 mm 890 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1273ZJ-J-XX(B))	Hik white Aluminum alloy Ø126.7 mm × 35 mm Approx.: 210 g (0.46 lb.)	Hik white Aluminum alloy 157 × 165.7 × 61.8 mm 586 g	Hik white Aluminum alloy Ø150 × 567 mm	Hik white Aluminum alloy Ø 132 mm × 242.9 mm × 288.5mm (5.20" × 9.56" × 11.36") 1690 g (3.73 lb.)








Recommended brackets for Hikvision IP camera

	DS-2CD3385G0-I(B) DS-2CD3345G0-I(B) DS-2CD3325G0-I(B)						
		DS-1271ZJ-140	DS-1273ZJ-140	DS-1280ZJ-DM21	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1273ZJ-140B
		Pendant mount	Wall mount	Junction box	Vertical pole mount	Corner mount	Wall mount
		Hik white Aluminum alloy Ø150 × 565 mm 1900 g	Hik white Aluminum alloy 140 × 183.5 × 232 mm 703 g	Hik white Aluminum alloy 162 × 137 × 42 mm 250 g	Hik white Stainless steel 127 × 46 × 250 mm Diameter of clamp: Ø67-127 mm 1480 g Match up with wall mount (DS- 1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS- 1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS- 1273ZJ-XX(B))

Recommended brackets for Hikvision IP camera			
	DS-2CD6626DS-IZ(H)S		
		DS-1284ZJ-M-AC	DS-1703ZJ-AC
		Junction box	Wall mount
		Natural Stainless Steel Color Stainless Steel 229 × 141 × 71.5 mm 1981 g	Natural stainless steel color Stainless steel Ø175.8 × 116.5 × 202 mm

Recommended brackets for Hikvision IP camera			
	DS-2XC6122FWD-IS DS-2XC6142FWD-IS		
		DS-1705ZJ-DM35-Y	DS-1284ZJ-M-AC
		Wall mount	Junction box
		Natural Stainless Steel Color Stainless Steel 180 × 74 × 150 mm Approx. 498 g (1.1 lb.)	Natural Stainless Steel Color Stainless Steel 229 × 141 × 71.5 mm 1981 g






Recommended brackets for Hikvision IP camera			
 	DS-2CD6626B-IZH(R)S		
		DS-1701ZJ-AC	DS-1284ZJ-M-AC
	DS-2CD6652B-IZHS	Wall mount	Junction box
		Natural stainless steel color Stainless steel 140 × 228 × 412.5 mm	Natural stainless steel color Stainless steel 229 × 141 × 71.5 mm 1981 g

Recommended brackets for Hikvision IP camera							
	DS-2XE6222F-IS DS-2XE6242F-IS						
		DS-1704ZJ	DS-1706ZJ	DS-2780ZJ-X	DS-1712ZJ	DS-1677ZJ-XS-1.0 (D)	DS-1751ZJ
		Wall mount	PT joint	Explosion-proof terminal box	Pendant mount	Flexible conduit	Vertical pole mount
		Natural stainless steel color 304L Stainless steel 412.5 × 140 × 228 mm	Natural stainless steel color Stainless steel 85 × 60 × 55 mm	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	Natural stainless steel color 304 stainless steel	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	Unpainted stainless steel SUS304 350 mm × 221 mm × 87.2 mm (13.78" × 8.70" × 3.43") Approx. 5 kg (11.02 lb.) Match up with wall mount [DS-1704ZJ]







Recommended brackets for Hikvision IP camera				
	DS-2XE6222F-IS/316L DS-2XE6242F-IS/316L			
		DS-2780ZJ-X/316L	DS-1704ZJ-Y	DS-1677ZJ-XS-1.0 (D)
		Explosion-proof terminal box	Wall mount	Flexible conduit
		Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	Unpainted stainless steel SUS316L 412.5 mm × 140 mm × 228 mm (16.24" × 5.51" × 8.98") 2160 g (4.76 lb.)	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm





Recommended brackets for Hikvision IP camera			Recommended brackets for Hikvision IP camera	
 	DS-2XC622460-L DS-2XC622560-L			
		DS-1706ZJ	DS-1279ZJ	
		PT joint	Extendable pole for pendant mount	
		Natural stainless steel color Stainless steel 85 × 60 × 55 mm	Hik white Aluminum alloy 250 mm Match up with pendant mount [DS-1271ZJ-XXX, DS-1471ZJ-XXX]	

Recommended brackets for Hikvision IP camera







	DS-2XE6422FWD-IZH(R)S DS-2XE6452F-IZH(R)S				
		DS-1707ZJ-Y	DS-2780ZJ-X/316L	DS-1707ZJ-Y-E	DS-1677ZJ-XS-1.0 (D)
		Wall mount	Explosion-proof terminal box	Wall mount	Flexible conduit
		Unpainted stainless steel SUS316L 562.5 mm × 180 mm × 309 mm (22.15" × 7.09" × 12.17") 7.02 kg (15.48 lb.)	Stainless steel stainless steel 316L 272 mm × 272 mm × 96.8 mm 6.4 kg	Unpainted stainless steel SUS316L 543.5 mm × 160 mm × 258 mm (21.40" × 6.30" × 10.16") 4.98 kg (10.98 lb.)	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm




Recommended brackets for Hikvision IP camera

	DS-2XE6126FWD-HS DS-2XE6146F-HS					
		DS-1696ZJ-X	DS-1697ZJ-X	DS-2780ZJ-X/316L	DS-2781ZJ-X/316L	DS-1677ZJ-XS-1.0 (D)
		Pendant mount - 316L	Wall mount - 316L	Explosion-proof terminal box	Explosion-proof terminal box	Flexible conduit
		Natural stainless steel color Stainless steel 316L φ136 × 306 mm Approx. 1.07 kg	Natural stainless steel color Stainless steel 316L 136*204.3 × 353.4 mm Approx. 1.04 kg	stainless steel Stainless steel 316L 272 mm × 272 mm × 96.8 mm 6.4 kg	Natural stainless steel color Stainless steel 316L 272 mm × 272 mm × 96.8 mm (10.7" × 10.7" × 3.8") Approx. 6.7 kg (14.8 lb.)	NBR, braided steel wire, Carbon steel Ø25 mm × 1000 mm










Recommended brackets for Hikvision IP camera				
	IDS-2CD6810F/C			
		DS-1227ZJ-P1	DS-2102ZJ	DS-1299ZJ
		In-ceiling mount	Wall mount	Pendant mount
		Hik white Metal plate & Plastic Ø 253.4 mm × 38.4 mm (Ø 9.97" × 1.51") 460 g (1.01 lb.)	Hik white Steel 194 mm × 110 mm × 50 mm (7.64" × 4.33" × 1.97") 234 g (0.52 lb.)	Hik white Aluminum alloy 77 × 77 × 198 mm 165 g

Recommended brackets for Hikvision IP camera		
 Outdoor dual-lens people counting camera	IDS-2CD6810F-IV/C	
		DS-1275ZJ-P1
		Horizontal pole mount
		Platinum gray Stainless steel, and Steel 127 mm × 140.48 mm × 250 mm (5" × 5.53" × 9.84") 1500 g (3.3 lb.)












Recommended brackets for Hikvision IP camera					
 	DS-2CD6825G0/C-IV(S)				
		DS-1297ZJ	DS-1299ZJ	DS-1297ZJ-ES	DS-1297ZJ-M
		Pendant mount (extendable)	Pendant Mount	Pendant mount (extendable)	Pendant mount (extendable)
		Hikvision White Aluminum Alloy Ø120x2000mm 1035 g (2.28 lb.) 1.2 m to 2.0 m	Hik white Aluminum Alloy 77×77×198mm 165g	Hikvision White Aluminum Alloy Ø 97 mm × 270 mm to 400 mm (Ø 3.82" × 10.63" to 15.75") 500 g (1.10 lb.)	Hikvision White Aluminum Alloy Ø 120 mm × 650 mm to 1200 mm (Ø 4.72" × 25.59" to 47.24") 800 g (1.76 lb.)

Recommended brackets for Hikvision IP camera			
	DS-2CD6D54G1-IZ(S)		
		DS-1618ZJ-6D	DS-1661ZJ-6D
		Wall Mount	Pendant Mount
		Hikvision White Aluminum alloy, stainless steel, and silicone rubber 283.5 mm × 250 mm × 165.5 mm (11.16" × 9.84" × 6.52") Approx. 1356 g (2.99 lb.)	Hikvision White Aluminum alloy, stainless steel, and silicone rubber Ø 250 mm × 247 mm (Ø 9.84" × 9.72") Approx. 1338 g (2.95 lb.)

Recommended brackets for Hikvision IP camera








	<p>DS-2CD6024FWD-11Z(H)(S)(NFC)</p> <p>DS-2CD6054FWD-11Z(H)(S)(NFC)</p>				
		DS-1604ZJ	DS-1663ZJ	DS-1662ZJ	DS-1661ZJ
		Wall mount with junction box	Ceiling mount	Pendant mount	Pendant mount
		Hik white Aluminum alloy 255 × 171 × 355.5 mm 2150 g	Hik white Aluminum alloy Ø116.5 × 57 mm	Hik white Aluminum alloy Ø116.5 × 500 mm 960 g	Hik white Aluminum alloy Ø116.5 × 200 mm 600 g
					
		DS-1604ZJ-pole	DS-1604ZJ-corner	DS-1673ZJ	DS-1602ZJ
		Vertical pole mount	Corner mount	Horizontal pole mount	Wall mount
		Hik white Aluminum alloy 170.7 × 261.8 × 355.5 mm	Hik white Aluminum alloy 206.8 × 261.8 × 465 mm	Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Ø67-127 mm Match up with pendant mount	Hik white Aluminum alloy 97 X 182 X 305 mm

Recommended brackets for Hikvision IP camera
















	<p>DS-2CD6984G0-IH(S)(AC) DS-2CD6924G0-IHS(/NFC) DS-2CD6924G0-IHS(/NFC) DS-2CD6984G0-IH(S)(/NFC)</p>					
		DS-1661ZJ	DS-1662ZJ	DS-1663ZJ	DS-1604ZJ	DS-1604ZJ-pole
		Pendant mount	Pendant mount	Ceiling mount	Wall mount with junction box	Vertical pole mount
		Hik white Aluminum alloy Ø116.5 × 200 mm 600 g	Hik white Aluminum alloy Ø116.5 × 500 mm 960 g	Hik white Aluminum alloy Ø116.5 × 57 mm	Hik white Aluminum alloy 255 × 171 × 355.5 mm 2150 g	Hik white Aluminum alloy 170.7 × 261.8 × 355.5 mm
						
		DS-1604ZJ-corner	DS-1604ZJ-box	DS-1604ZJ-BOX-POLE	DS-1604ZJ-BOX-CORNER	DS-1602ZJ
		Corner mount	Wall mount with junction box	Vertical pole mount with junction box	Wall mount with junction box	Wall mount
		Hik white Aluminum alloy 206.8 × 261.8 × 465 mm	Hik white Aluminum alloy 281.2 × 170.7 × 395.5 mm	Hik white Aluminum alloy & steel 222 × 139.3 × 422 mm	Hik white Aluminum alloy & steel 255.5 × 314 × 542.5 mm	Hik white Aluminum alloy 97 X 182 X 305 mm

Recommended brackets for Hikvision PTZ Dome Camera










Outdoor(only available for outdoor PTZ model)

	<p>DS-2DF5232X-AEL DS-2DF5225X-AEL</p>			
	<p>DS-2DF7232IX-AEL DS-2DF7232IX-AELW DS-2DF7225IX-AEL DS-2DF7225IX-AELW</p>	DS-1661ZJ	DS-1662ZJ	DS-1663ZJ
	<p>DS-2DE7530IW-AE DS-2DE7430IW-AE DS-2DE7425IW-AE DS-2DE7330IW-AE DS-2DE7320IW-AE DS-2DE7232IW-AE DS-2DE7225IW-AE</p>	Pendant mount	Pendant mount	Ceiling mount
	<p>DS-2DE7A225MX-AE DS-2DE7A232MX-AE</p>	Hik white Aluminum alloy Φ116.5 × 200mm 600 g	Hik white Aluminum alloy Φ116.5 × 500 mm 960 g	Hik white Aluminum alloy Φ116.5 × 57 mm 380 g
	DS-2DE7A245IX-AE/S1			
	DS-2DF6225X-AEL			
	<p>DS-2DF8836IX-AEL DS-2DF8836IX-AELW DS-2DF8825IX-AEL DS-2DF8825IX-AELW DS-2DF8436IX-AEL DS-2DF8436IX-AELW DS-2DF8425IX-AEL DS-2DF8425IX-AELW DS-2DF8236IX-AEL DS-2DF8236IX-AELW DS-2DF8225IX-AEL DS-2DF8225IX-AELW DS-2DF8250IX-AEL(W) DS-2DF8242IX-AEL(W) DS-2DF8442IX-AEL(W)</p>	DS-1660ZJ	DS-1604ZJ	DS-1604ZJ-pole
		Parapet wall mount	Wall mount	Vertical pole mount
	iDS-2VS235-F836	Hik white Aluminum alloy 180 × 950 × 800 mm 2900 g	Hik white Aluminum alloy 255 × 171 × 355.5 mm 2150 g	Hik white Aluminum alloy 170.7 × 261.8 × 355.5 mm
	<p>DS-2DF8836IX-AEL(W) DS-2DF8436IX-AEL(W) DS-2DF8236IX-AEL(W) DS-2DF8250IX-AEL(W) DS-2DF8242IX-AEL(W)</p>			











Recommended brackets for Hikvision PTZ Dome Camera

Outdoor(only available for outdoor PTZ model)					
 	<p>DS-2DF5232X-AEL DS-2DF5225X-AEL</p>				
	<p>DS-2DF7232IX-AEL DS-2DF7232IX-AELW DS-2DF7225IX-AEL DS-2DF7225IX-AELW</p>	DS-1604ZJ-corner	DS-1604ZJ-box	DS-1604ZJ-BOX-POLE	DS-1604ZJ-BOX-CORNER
 	<p>DS-2DE7530IW-AE DS-2DE7430IW-AE DS-2DE7425IW-AE DS-2DE7330IW-AE DS-2DE7320IW-AE DS-2DE7232IW-AE DS-2DE7225IW-AE</p>	Corner mount	Wall mount with junction box	Vertical pole mount with junction box	Wall mount with junction box
	<p>DS-2DE7A225MX-AE DS-2DE7A232MX-AE</p>	Hik white Aluminum alloy 206.8 × 261.8 × 465 mm	Hik white Aluminum alloy 281.2 × 170.7 × 395.5 mm	Hik white Aluminum alloy & steel 222 × 139.3 × 422 mm	Hik white Aluminum alloy & steel 255.5 × 314 × 542.5 mm
 	<p>DS-2DE7A245IX-AE/S1</p>				
	<p>DS-2DF6225X-AEL</p>				
 	<p>iDS-2VS235-F836</p>	Gooseneck mount	Extendable pole for pendant mount	Wall mount	
	<p>DS-2DF8836IX-AEL(W) DS-2DF8436IX-AEL(W) DS-2DF8236IX-AEL(W) DS-2DF8250IX-AEL(W) DS-2DF8242IX-AEL(W)</p>	Hik white Aluminum alloy 455.2 × 130.4 × 841.5 mm	Hik white Galvanized steel pipe 1500-2500 mm	Hik white Aluminum alloy 97 X 182 X 305 mm	







Recommended brackets for Hikvision PTZ Dome Camera

		Outdoor					
	DS-2DF8225IH-AEL(W)						
		DS-1604ZJ-P	DS-1663ZJ-P	DS-1660ZJ-P	DS-1661ZJ-P	DS-1667ZJ-P	DS-1682ZJ-P
		Wall mount with junction box	Ceiling mount	Parapet wall mount	Pendant mount	Extendable pole for pendant mount	Extendable pole for pendant mount
	DS-2DF6A836X-AEL DS-2DF6A825X-AEL DS-2DF6A436X-AEL DS-2DF6A425X-AEL DS-2DF6A236X-AEL DS-2DF6A225X-AEL						
	DS-2DF8A425I(N)X-AEL DS-2DF8A436I(N)X-AEL DS-2DF8A825I(N)X-AEL DS-2DF8A836I(N)X-AEL DS-2DF8A442IXS-AEL	Platinum gray Aluminum alloy 255 × 171 × 355.5 mm 2150 g	Platinum gray Aluminum alloy Ø116.5 × 57 mm 380 g	Platinum gray Aluminum alloy 180 × 950 × 800 mm 2900 g	Platinum gray Aluminum alloy Ø116.5 × 200 mm 600 g	Platinum gray Galvanized steel pipe 1500-2500 mm	Platinum gray Aluminum alloy Ø 60 mm × 500 mm (Ø 2.36" × 19.69") 1050 g (2.31 lb.) Match up with pendant mount(DS-1661ZJ-P, DS-1662ZJ-P)






Recommended brackets for Hikvision PTZ Dome Camera





		Outdoor			
	DS-20F8225IH-AEL(W)				
		Pendant mount	Horizontal pole mount	Vertical pole mount	Corner mount
	DS-20F6A836X-AEL DS-20F6A825X-AEL DS-20F6A436X-AEL DS-20F6A425X-AEL DS-20F6A236X-AEL DS-20F6A225X-AEL	Platinum gray Aluminum alloy Ø116.5 × 500 mm 960 g	Platinum gray Steel(mounting board) & Stainless Steel(clamp) Diameter of clamp: Ø67-127mm Match up with pendant mount	Platinum gray Aluminum alloy 170.7 × 261.8 × 355.5 mm	Platinum gray Aluminum alloy 206.8 × 261.8 × 465 mm
	DS-20F8A425I(N)X-AEL DS-20F8A436I(N)X-AEL DS-20F8A825I(N)X-AEL DS-20F8A836I(N)X-AEL DS-20F8A442IXS-AEL				
		Wall mount with junction box	Wall mount with junction box	Vertical pole mount with junction box	
		Platinum gray Aluminum alloy 281.2 × 170.7 × 395.5 mm	Platinum gray Aluminum alloy & steel 255.5 × 314 × 542.5 mm	Platinum gray Aluminum alloy & steel 222 × 139.3 × 422 mm	









Recommended brackets for Hikvision PTZ Dome Camera

		Outdoor				
	DS-2DF9C245IH-DLW DS-2DF9C435IH-DLW DS-2DF9C245IHS-DLW DS-2DF9C435IHS-DLW					
		DS-1603ZJ-P	DS-1668ZJ-P	DS-1668ZJ(20)-P	DS-1603ZJ-Pole-P	DS-1619ZJ-HP2
		Wall mount	Pendant mount	Pendant mount	Vertical pole mount	Gooseneck mount
		Platinum gray Aluminum alloy 364.1 mm × 182.0 mm (14.3" × 7.2") 1400 g (3.09 lb.)	Platinum gray Steel Ø115 × 58 mm 620 g	Platinum gray Steel Ø 115 mm × 200 mm (4.53" × 7.87") 1150 g (2.54 lb.)	Platinum gray Aluminum alloy+steel 410.6 × 194 × 126.1 mm 2.5 kg	Platinum gray Stainless steel Ø 130 mm × 455 mm × 526 mm (5.12" × 17.91" × 20.71") 5200 g (12.46 lb.)









Recommended brackets for Hikvision PTZ Dome Camera

		Outdoor			
	DS-2DF5220S-D4 DS-2DF5220S-DE4/W				
		DS-1691ZJ	DS-1695ZJ	DS-1691ZJ-L	DS-1691ZJ-M
		Pendant mount	Integrated wall mount	Pendant mount	Pendant mount
		Hik white Aluminum alloy 84 × 124 × 335 mm 980 g	Hik white Aluminum alloy + Plastic 157 × 86 × 246 mm	Hik white Steel 124 × 84 × 1000 mm 2175 g	Hik white Steel 124 × 84 × 500 mm 1175 g










Recommended brackets for Hikvision PTZ Dome Camera				
	iDS-2PT9122IX-D/S Wall mount bracket included in the package	Outdoor		
				
		DS-2664ZJ-P	DS-2601ZJ-P	DS-2665ZJ-P
		Pendent mount	Wall mounting racket	Base mounting bracket
Grey Aluminum alloy Ø203.5 × 217.4 mm	Plastic with surface spray treatment Ø 203.5 mm × 227.9 mm (Included in the package)	Plastic with surface spray treatment 178.7 mm × 126 mm × 57.2 mm		




Recommended brackets for Hikvision PTZ Dome Camera							
 	DS-2DP1636ZIX-D/236 DS-2DP1636ZIX-D/236(B) DS-2DP0818ZIX-D/236(B) DS-2DP2427ZIXS-DE/436/T4 DS-2DP1618ZIXS-DE/436/T4 DS-2DP1618ZIXS-DE/440/T2 DS-2DP2427ZIXS-DE/440/T2 DS-2DP3236ZIXS-D/440/T2 DS-2DP6436ZIXS-D/836/T2	Outdoor					
							
		DS-1603ZJ-P	DS-1668ZJ-P	DS-1668ZJ(20)-P	DS-1603ZJ-Pole-P	DS-1619ZJ-HP2	DS-1603ZJ-Corner-P
		Wall mount	Pendant mount	Pendant mount	Vertical pole mount	Gooseneck mount	Corner mount
Platinum gray Aluminum alloy 364.1 mm × 182.0 mm [14.3" × 7.2"] 1400 g (3.09 lb.)	Platinum gray Steel Ø115 × 58 mm 620 g	Platinum gray Steel Ø 115 mm × 200 mm [4.53" × 7.87"] 1150 g (2.54 lb.)	Platinum gray Aluminum alloy+steel 410.6 × 194 × 126.1 mm 2.5 kg	Platinum gray Stainless Steel Ø 130 mm × 455 mm × 526 mm [5.12" × 17.91" × 20.71"] 5200 g (12.46 lb.)	Platinum gray Aluminum alloy, and Steel 473.1 mm × 194 mm × 176.1 mm [18.63" × 7.64" × 6.93"] 2920 g (6.44 lb.)		

Recommended brackets for Hikvision PTZ Dome Camera


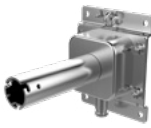



		Outdoor			
	DS-2DP0818Z-D DS-2DP1636Z-D				
		DS-1603ZJ	DS-1668ZJ	DS-1668ZJ(20)	DS-1673ZJ
		Wall mount	Pendant mount	Pendant mount	Horizontal pole mount
		Hik white Aluminum alloy 98 × 182 × 362 mm	Hik white Steel Ø115 × 58 mm 620 g	Hik white Steel Ø115 × 200 mm 1150 g	Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Ø67-127 mm 1060 g (2.34 lb.) Match up with pendant mount
					
		DS-1684ZJ	DS-1678ZJ	DS-1619ZJ-H2	
Vertical pole mount	Junction box	Gooseneck mount			
		Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Ø67-127 mm Match up with wall mount	Hik white Aluminum alloy 286 × 424 × 119.5 mm	Hik white Stainless steel Ø 130 mm × 455 mm × 526 mm (5.12" × 17.91" × 20.71") 5200 g (12.46 lb.)	


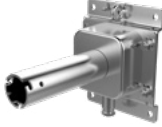



Recommended brackets for Hikvision PTZ Dome Camera


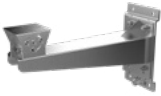





		Outdoor			
	DS-2DP1636-D				
		DS-1603ZJ	DS-2663ZJ	DS-1668ZJ	DS-1668ZJ(20)
		Wall mount	3-axis mount	Pendant mount	Pendant mount
		Hik white Aluminum alloy 98 × 182 × 362 mm	Hik white Aluminum alloy 275.8 × 269 × 140.1 mm 2600 g	Hik white Steel Ø115 × 58 mm 620 g	Hik white Steel Ø115 × 200 mm 1150 g
					
		DS-1673ZJ	DS-1684ZJ	DS-1678ZJ	DS-1619ZJ-H2
		Horizontal pole mount	Vertical pole mount	Junction box	Gooseneck mount
		Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Ø67-127 mm Match up with pendant mount	Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Ø67-127 mm Match up with Wall mount	Hik white Aluminum alloy 286 × 424 × 119.5 mm	Hik white Stainless steel Aluminum alloy Ø 130 mm × 455 mm × 526 mm (5.12" × 17.91" × 20.71") 5200 g (12.46 lb.)

Recommended brackets for Hikvision PTZ Dome Camera			
	DS-2DT6223-AELY DS-2DT6223W-AELY	Outdoor	
			
		DS-1696ZJ-Y	DS-1697ZJ-Y
Pendant mount	Wall mount		
Stainless steel 316L 160 × 160 × 342 mm 1890 g	Stainless steel 316L 136 × 212 × 326 mm 2300 g		

Recommended brackets for Hikvision PTZ Dome Camera				
	DS-2DF8236IX-AELWY	Outdoor		
				
		DS-1602ZJ-AKS	DS-1604ZJ-B0X-Corner-Y	DS-1604ZJ-B0X-Y
Wall mount	Corner pole mount with junction box	Wall mount with junction box		
Hik white Alloy 97.3 mm × 182.6 mm × 306.4 mm (3.83" × 7.19" × 12.06") 960 g (2.12 lb.)	Hik white Alloy, SUS304 314 mm × 25.5 mm × 542.5 mm (12.36" × 10.06" × 21.36") 6976 g (15.38 lb.)	Hik white Alloy 281.2 mm × 170.7 mm × 395.5 mm (11.07" × 6.72" × 15.57") 2150 g (4.74 lb.)		

Recommended brackets for Hikvision PTZ Dome Camera					
	DS-2DF6223-CX(W) Wall mount bracket included in the package	Outdoor			
					
		DS-1691ZJ-X	DS-1690ZJ-X	DS-1677ZJ-XS-1.0 (C2)	DS-2780ZJ-X
Pendant mounting	Wall mounting bracket	Flexible conduit	Explosion-proof terminal box		
Stainless steel 304L 250 mm × 200 mm × 303 mm 6 kg	I SUS304 stainless steel 350 mm × 227.5 mm × 345.5 mm 7 kg (Included in the package)	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg		

Recommended brackets for Hikvision PTZ Dome Camera					
	DS-2DF6223-CX(W/316L) Wall mount bracket included in the package	Outdoor			
					
		DS-1693ZJ-X	DS-1692ZJ-X	DS-1677ZJ-XS-1.0 (C2)	DS-2780ZJ-X/316L
		Pendant mounting	Wall mounting bracket	Flexible conduit	Explosion-proof terminal box
Stainless steel 316L 250 mm × 200 mm × 303 mm 6 kg	SUS316L 350 mm × 200 mm × 345 mm 7 kg (Included in the package)	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg		

Recommended brackets for Hikvision PTZ Dome Camera							
	DS-2DB4223I-CX(WE)	Outdoor					
							
		DS-1707ZJ	DS-1707ZJ-E	DS-2780ZJ-X	DS-1708ZJ	DS-1677ZJ-XS-1.0 (D)	DS-1751ZJ
		Wall mount (304 stainless steel)	Wall mount (304 stainless steel)	Explosion-proof terminal box	PT joint	Flexible conduit	Vertical pole mount
-	-	stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	-	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	-		

Recommended brackets for Hikvision PTZ Dome Camera					
	DS-2DB4223I-CX(WE/316L) DS-2DB4236I-CWX(WE/316L)	Outdoor			
					
		DS-1707ZJ-Y	DS-1707ZJ-Y-E	DS-2780ZJ-X/316L	DS-1677ZJ-XS-1.0 (D)
Wall mount (316L stainless steel)	Wall mount (316L stainless steel)	Explosion-proof terminal box	Flexible conduit		
Unpainted stainless steel SUS316L 562.5 mm × 180 mm × 309 mm (22.15" × 7.09" × 12.17") 7.02 kg (15.48 lb.)	Unpainted stainless steel SUS316L 543.5 mm × 160 mm × 258 mm (21.40" × 6.30" × 10.16") 4.98 kg (10.98 lb.)	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm		






Recommended brackets for Hikvision PTZ Dome Camera





DS-1682ZJ
Extendable pole for pendant mount
Hik white Aluminum alloy 500 mm Match up with pendant mount (DS-1661ZJ, DS-1662ZJ)


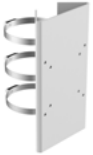
Recommended brackets for Hikvision PTZ Dome Camera


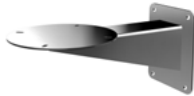


DS-1673ZJ
Horizontal pole mount
Hik white Steel (mounting board) & Stainless steel (clamp) Diameter of clamp: Ø67-127 mm Match up with pendant mount





Positioning System





Product form	Model	Relevant brackets and housings---Outdoor	
	DS-2DY9250IAX-A DS-2DY9236I8X-A DS-2DY9250IAX-A(S1)		
	DS-2DY9250IH-A	DS-1693ZJ	DS-1678ZJ
	DS-2DY9250IX-A DS-2DY9236IX-A DS-2DY9250IX-A(S1)	Wall mount	Junction box
	DS-2DY7236W-A DS-2DY7236IW-A	Hik white Steel 190 × 200 × 500 mm 5700 g	Hik white Aluminum alloy 286 × 424 × 119.5 mm

Product form	Model	Relevant brackets and housings---Outdoor		
	PT bullet camera			
		DS-1280ZJ-M(SPTZ)	DS-1281ZJ-M(SPTZ)	DS-1275ZJ(SPTZ)
	DS-2DY3320IW-DE DS-2DY3220IW-DE	Junction box	Inclined ceiling mount	Pole mount
		Hik white Steel 157 x 53.4 x 184 mm 621 g	Hik white Steel 157 x 61.8 x 165.7 mm 586 g	Hik white Steel 250 x 127 x 140 mm

















Product form	Model	Outdoor
	PT bullet camera	
		DS-1275ZJ(SPTZ)
	DS-2DY3320IW-DE4 DS-2DY3220IW-DE4	Pole mount
		Hik white Steel 250 x 127 x 140 mm






Product form	Model	Relevant brackets and housings---Outdoor		
	Explosion-proof positioning system			
		DS-1713ZJ-Y (SUS316L)	DS-2780ZJ-X/316L	DS-1677ZJ-XS-1.0 (D)
	DS-2DY9236I-CWX(W/316L) Wall mount bracket included in the package	Wall mounting bracket	Explosion-proof terminal box	Flexible conduit
		Natural stainless steel color SUS316L Ø 270 mm × 479 mm × 235 mm (Ø 10.63" × 18.86" × 9.25") 7.1 kg (15.65 lb.) (Included in the package)	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm



Indoor housing						
Appearance	Model	Key Feature	Available Camera Models	Bracket Model		
	DS-1330HZ	Hik white Complex fiber 290×142×92 mm 640 g	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026GG-(AP) DS-2CD5046GG-(AP) DS-2CD5065GG-(AP) DS-2CD5085GG-(AP) DS-2CD50C5GG-(AP) DS-2CD7026GG(P)-(AP) DS-2CD7046GG-(AP) DS-2CD7085GG-(AP)	 DS-1293ZJ	 DS-1299ZJ	 DS-1269ZJ
				Wall mount	Pendant mount	Pendant mount
				Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Hik white Aluminum Alloy 77 × 77 × 198 mm 165 g	Hik white Aluminum alloy 493 × 246 × 88 mm 480 g











Indoor housing						
Appearance	Model	Key Feature	Available Camera Models	Bracket Model		
	DS-1332HZ	Hik white Aluminum alloy 288 × 149 × 100 mm 800 g	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026GG-(AP) DS-2CD5046GG-(AP) DS-2CD5065GG-(AP) DS-2CD5085GG-(AP) DS-2CD50C5GG-(AP) DS-2CD7026GG(P)-(AP) DS-2CD7046GG-(AP) DS-2CD7085GG-(AP)	 DS-1293ZJ	 DS-1299ZJ	 DS-1269ZJ
				Wall mount	Pendant mount	Pendant mount
				Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Hik white Aluminum Alloy 77 × 77 × 198 mm 165 g	Hik white Aluminum alloy 493 × 246 × 88 mm 480 g



Indoor housing







Appearance	Model	Key Feature	Available Camera Models	Bracket Model				
	DS-1331HZ-C	Hik white Aluminum alloy Containing fan DC12V IP66 110 × 165 × 445 mm 1900 g						
	DS-1331HZ-H	Hik white Aluminum alloy Containing fan and heater AC24V IP66 110 × 165 × 445 mm 1900 g		DS-1293ZJ	DS-1269ZJ	DS-1214ZJ	DS-1214ZJ-T	DS-1233ZJ
				Wall mount	Pendant mount	Horizontal pole mount	Horizontal pole mount	Column mount
	DS-1331HZ-HW	Hik white Aluminum alloy Containing fan, wiper and heater AC24V IP66 445 × 165 × 170 mm 2500 g	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0I/(P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)					
	DS-1331HZ-CI	Hik white Aluminum alloy Containing fan DC12V IP66 IK10 445 × 140 × 94 mm 1900 g						
	DS-1331HZ-HI	Hik white Aluminum alloy Containing fan and heater AC 24V(DC 12V) IP66 IK10 110 × 165 × 445mm 1900 g		DS-1232ZJ	DS-1232ZJ-T	DS-1275ZJ-SUS	DS-2204ZJ	
	DS-1331HZ-R	Hik white Aluminum alloy Containing Cooling module AC 110 to 240V IP66 490 × 169.4 × 100 mm 3200 g						
	DS-1331HZ-R			Hik white Steel 126 x 103.5 x 83 mm 790	Hik white Steel 96 x 95 x 92.5 mm	Hik white Stainless Steel 127 × 46 × 250 mm Diameter of clamp: Ø67-127 mm 1205 g Match up with wall mount (DS-1293ZJ)	Hik white Aluminum alloy 413.5 × 228.7 × 120 mm 1859 g	






Outdoor housing								
Appearance	Model	Key Feature	Available Camera Models	Bracket Model				
	DS-4718HZ-K	Hik white Aluminum alloy Containing fan and heater AC 24V(DC 12V) IP66 174 × 153 × 550 mm 2500 g	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0(P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)	 DS-1293ZJ	 DS-1269ZJ	 DS-1214ZJ	 DS-1214ZJ-T	 DS-1275ZJ-SUS
				Wall mount	Pendant mount	Horizontal pole mount	Horizontal pole mount	Vertical pole mount
				Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g Hik white Aluminum alloy 493 × 246 × 88 mm 480 g	Hik white Steel (mounting board) & Stainless Steel (clamp) 117 × 226 × 194 mm Diameter of clamp: Ø67- 127 mm 1895 g	Hik white Steel (mounting board) & Stainless Steel (clamp)	Hik white Stainless Steel 127 × 46 × 250 mm Diameter of clamp: Ø67-127 mm 1205 g Match up with wall mount (DS- 1293ZJ)



Outdoor housing				
Appearance	Model	Key Feature	Available Camera Models	Bracket Model
	DS-1340HZ	Three-axis adjustment Containing combined wires and fan IK10	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0(P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)	 DS-1275ZJ-4626 Vertical pole mount Hik white Steel (mounting board) & Stainless Steel (clamp) 127 × 46 × 250 mm 1235 g For 40 series box camera



Product form	Model	Recommended brackets for Hikvision Thermal Camera					
		Relevant brackets					
	DS-2TD4137 DS-2TD4137T DS-2TD4167 DS-2TD4167T						
		DS-1604ZJ-pole	DS-1604ZJ-corner	DS-1604ZJ-box	DS-1604ZJ-BOX-POLE		
		Vertical pole mount	Corner mount	Wall mount, including power box	Vertical pole mount with junction box		
		Hik white Aluminum alloy 170.7 × 261.8 × 355.5 mm	Hik white Aluminum alloy 206.8 × 261.8 × 465 mm	Hik white Aluminum alloy 281.2 × 170.7 × 395.5 mm	Hik white Aluminum alloy & steel 222 × 139.3 × 422 mm		
			DS-2TD4237/V2				
				DS-1604ZJ-BOX-CORNER	DS-1619ZJ	DS-1602ZJ	DS-1673ZJ
Wall mount with junction box	Gooseneck mount			Wall mount	horizontal pole mount		
Hik white Aluminum alloy & steel 255.5 × 314 × 542.5 mm	Hik white Aluminum alloy 455.2 × 130.4 × 841.5 mm			Hik white Aluminum alloy 97×182×305 mm	Hik white Steel (mounting board) & Stainless Steel (clamp) Diameter of clamp: Ø67-127 mm Match up with DS-1661ZJ or DS-1662ZJ or DS-1663ZJ		






Product form	Model	Recommended brackets for Hikvision Thermal Camera	
		Relevant brackets	
	DS-2TD6267-W DS-2TD6267T-W		
		DS-1693ZJ	Wall mount
		Hik white Steel 190 × 200 × 500 mm 5700 g	






Product form	Model	Recommended brackets for Hikvision Thermal Camera					
		Relevant brackets					
	DS-2TD1217/PA						
		DS-1273ZJ-140	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1273ZJ-140B	DS-1271ZJ-140	DS-1280ZJ-DM21
	DS-2TD1117/PA	Wall mount	Vertical pole mount	Corner mount	Wall mount	Pendant Mount	Junction box
		Hik white Aluminum alloy 140×183.5×232mm 703g	Hik white Stainless Steel 127×46×250mm Diameter of clamp: Ø67-127mm 1480g Match up with wall mount(DS-1273ZJ-XX[B])	Hik white Stainless Steel 126X105X250mm 2280g Match up with wall mount(DS-1273ZJ-XX[B])	Hik white Aluminum alloy with junction box 140×243×292mm 1488g	Hik white Aluminum alloy Ø150×565mm 1900g	Hik white Aluminum alloy 162×137×42mm 250g





Product form	Model	Recommended brackets for Hikvision Thermal Camera		
		Relevant brackets		
	DS-2TD2617/PA	 DS-1275ZJ-SUS Vertical pole mount	 DS-1276ZJ-SUS Corner mount	 DS-1260ZJ Junction box (shipped by default)
	DS-2TD2637/P DS-2TD2667/P			
	DS-2TD2117/PA	Hik white Stainless Steel 127×46×250mm Diameter of clamp: Ø67-127mm 1480g Match up with wall mount(DS-1273ZJ-XX[B])	Hik white Stainless steel 126 X 105 X 250 mm 2280 g	Hik white Aluminum alloy Ø 88.5 mm × 36 mm (Ø 3.48" × 1.42") 251 g
	DS-2TD2137/P DS-2TD2167/P			










Product form	Model	Recommended brackets for Hikvision Thermal Camera
		Relevant brackets
	DS-2TD2137/PY DS-2TD2167/PY	 DS-1275ZJ-Y Pole mount Anti-corrosion Hik white Stainless Steel 127×250×Ø167mm











Product form	Model	Recommended brackets for Hikvision Thermal Camera
		Relevant brackets
	DS-2TD2367/P	 DS-2904ZJ Vertical pole mount Hik white Steel 157 × 240 × Ø200 mm







Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TX3742-A/P	 DS-2902ZJ (shipped by default with 'A') Wall mount Hik white Stainless steel 259 × 396 × 119 mm	 DS-2904ZJ (shipped by default with 'P') Vertical pole mount Hik white Stainless steel 70 × 38 mm	 DS-2903ZJ (shipped by default with 'P') Horizontal pole mount Hik white Stainless steel 118 × 194 × Ø200 mm	 DS-2905ZJ (shipped by default with 'P') Vertical pole mount Hik white Aluminum alloy Ø116.5-57 mm
	DS-2TX3742-P/P				





Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TD2466T-X				
		DS-1707ZJ-Y	DS-2780ZJ-X/316L	DS-1677ZJ-XS-1.0 (D)	DS-1751ZJ
		(shipped by default)			
		Wall mount (316L stainless steel)	Explosion-proof terminal box	Flexible conduit	Vertical pole mount
		Unpainted stainless steel SUS316L 562.5 mm × 180 mm × 309 mm [22.15" × 7.09" × 12.17"] 7.02 kg [15.48 lb.]	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	Stainless steel 221 × 350 × Ø200 mm

Product form	Model	Recommended brackets for Hikvision Thermal Camera		
		Relevant brackets		
	DS-2TD3017T			
		DS-1299ZJ	DS-1297ZJ-ES	DS-2920ZJ
		Wall / Roof mount	Roof mount (Elastic)	Ball hinge bracket
		Hik white Aluminum Alloy 77×77×198mm 165g	Hik White Aluminum Alloy Ø 97 mm × 270 mm to 400 mm (Ø 3.82" ×10.63" to 15.75") 500 g (extendable)	Black Aluminum Alloy Ø 50mm × 56.5 mm 90 g

Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TD1217B/PA				
		DS-1273ZJ-140	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1273ZJ-140B
		Wall mount	Vertical pole mount	Corner mount	Wall mount
		Hik white Aluminum alloy 140×183.5×232mm 703g	Hik white Stainless Steel 127×46×250mm Diameter of clamp: Ø67-127mm 1480g Match up with wall mount(DS-1273ZJ-XX(B))	Hik white Stainless Steel 126X105X250mm 2280g Match up with wall mount(DS-1273ZJ-XX(B))	Hik white Aluminum alloy with junction box 140×243×292mm 1488g
					
		DS-1271ZJ-140	DS-1280ZJ-DM21	DS-2908ZJ	DS-2907ZJ
Pendant Mount	Junction box	Turret-Tripod adapter	Tripod		
Hik white Aluminum alloy Ø150×565mm 1900g	Hik white Aluminum alloy 162×137×42mm 250g	UNC 1/4"-20 Tripod connection	UNC 1/4"-20 Tripod connection		

Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TD2617B/PA				
		DS-1260ZJ (shipped by default)	DS-1276ZJ-SUS	DS-2909ZJ	DS-1275ZJ-Y
		Junction box	Corner mount	Bullet-Tripod adapter	Vertical pole mount
		Hik white Aluminum alloy Ø88.5 mm	Hik white Stainless steel 158X173mm	UNC 1/4"-20 Tripod connection	Anti-corrosion Hik white Stainless steel 127×250×Ø167mm (use without junction box)
	DS-2TD2637B/P DS-2TD2636B/P				
		DS-1275ZJ-SUS	DS-1276ZJ-Y	DS-2921ZJ-S	DS-2907ZJ
		Vertical pole mount	Corner mount	Pendant Mount	Tripod
		Hik white Stainless steel 127×250×Ø167mm (use without junction box)	Anti-corrosion Hik white Stainless steel 126×250×105mm	Hik white Aluminum alloy Extendible, 0.6m - 1.2m	UNC 1/4"-20 Tripod connection


Product form	Model	Recommended brackets for Hikvision Thermal Camera				
		Relevant brackets				
	DS-2TE127-G4A					
		DS-1293ZJ-T	DS-1297ZJ	DS-2921ZJ-S	DS-2921ZJ-M	DS-2922ZJ
		Wall Mount	Pendant mount	Pendant Mount	Pendant Mount	Column Mount
		Hik white Aluminum alloy Ø88.5 mm	Hik white Aluminum alloy Ø120x2000mm 1035 g (2.28 lb.) Extendable Range 1.2 m to 2.0 m	Hik white Aluminum alloy Extendible, 0.6m - 1.2m	Hik white Aluminum alloy Extendible, 1.2m - 2.4m	Hik white Aluminum alloy Extendible, 1.4m - 2.4m

Product form	Model	Recommended brackets for Hikvision Thermal Camera		
		Relevant brackets		
	DS-2TP21B-6AVF/W			
		DS-3750DC	DS-5202ZC	DS-2907ZJ
		Handheld Battery	Charger Base with adapter	Tripod
				UNC 1/4"-20 Tripod connection




Power Adaptor

Power adaptor	Detail	Available Models
DC12V 1A Hikvision Brand	DS-2FA1201-DL,12V/1A,American standard,Ø2.1	Most IPC, analog camera and DS-2DE3/2xxx series mini PTZ models
	DS-2FA1201-DL,12V/1A,European standard,Ø2.1	
	DS-2FA1201-DL,12V/1A,Indian standard,Ø2.1	
DC12V 1A Hikvision Brand	ADS-12FG-12N 12012EPG,12V/1A,European standard,Two-wire, WHITE PACKAGE	Most IPC, analog camera and DS-2DE3/2xxx series mini PTZ models WHITE PACKAGE model is recommended for selling power adaptor alone, normal model is recommended for selling power adaptor with camera.
	ADS-12FG-12N 12012EPG,12V/1A,European standard,Ø2.1, WHITE PACKAGE	
	ADS-12FG-12N 12012EPCU,12V/1A,American standard,Two-wire, WHITE PACKAGE	
	ADS-12FG-12N 12012EPCU,12V/1A,American standard,Ø2.1, WHITE PACKAGE	
	ADS-12FG-12N 12012EPB,12V/1A,British standard,Two-wire, WHITE PACKAGE	
	ADS-12FG-12N 12012EPB,12V/1A,British standard,Ø2.1, WHITE PACKAGE	
DC12V 1.5A	MSA-C1500IC12.0-18P-US, DC12V/1.5A, American standard plug, Ø2.1	-
	MSA-C1500IC12.0-18P-DE, DC12V/1.5A, European standard plug, Ø2.1	
	MSA-C1500IC12.0-18P-GB, DC12V/1.5A, British standard plug, Ø2.1	
DC12V 2A	ADS-12FG-12N 12012EPCU,12V/1A,American standard,Ø2.1, WHITE PACKAGE	
	ADS-12FG-12N 12012EPB,12V/1A,British standard,Two-wire, WHITE PACKAGE	
	MSA-C2000IC12.0-24P-US,American standard,12V2A,Ø2.1	
Waterproof	DS-2PA1201-WRD, 12 VDC/1 A, Wall Mount	
SMPS	DS-2FA1225-D4(EUR), 4 Channels, 12 VDC/1 A per channel, European standard	
	DS-2FA1225-D4(IND), 4 Channels, 12 VDC/1 A per channel, Indian standard	
	DS-2FA1225-D4(UK), 4 Channels, 12 VDC/1 A per channel, British standard	
	DS-2FA1205-D8(EUR), 8 Channels, 12 VDC/1 A per channel, European standard	
	DS-2FA1205-D8(IND), 8 Channels, 12 VDC/1 A per channel, Indian standard	
	DS-2FA1205-D8(UK), 8 Channels, 12 VDC/1 A per channel, British standard	

Camera tester

	<p>IPC-4300H</p>	<p>Network camera tester, 4.3" Screen, with ANSI/EN/BS/AS power supply, Support IP/CVBS/TV(AHD/CVI) input</p>
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Pickup

	<p>DS-2FP2020</p>	<p>Pickup range: 70 sq.m, Audio transmission distance: 3000 m, Frequency response: 20 Hz to 20 KHz, SNR: 60 dB(1m40 dB audio tone SPL) 40 dB (10m 40 dB audio tone SPL) 1 KHz at 1 Pa, Dynamic Range: 70 dB(1 KHz at Max dB SPL)</p>
	<p>DS-2FP4021-B</p>	<p>Pickup Scope: 60 m2 / continuously adjustable, Gain Adjustment Scope: 30 dB / continuous, Pickup Direction: Full Directions / 360°, Frequency Response: 100 Hz to 16 KHz(1 kHz @ 94 dB SPL), Dynamic Range: 85 dB, Output Impedance: 600 Ohm unbalanced</p>
	<p>DS-2FP2020</p>	<p>Pickup range: 70 sq.m, Audio transmission distance: 3000 m, Frequency response: 20 Hz to 20 KHz, SNR: 60 dB(1m40 dB audio tone SPL) 40 dB (10m 40 dB audio tone SPL) 1 KHz at 1 Pa, Dynamic Range: 70 dB(1 KHz at Max dB SPL)</p>

DORI Distance (D/O/R/I)

NETWORK CAMERA

DeepinView Series

Find the Optimal Camera for Your Individual Security Needs

The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.



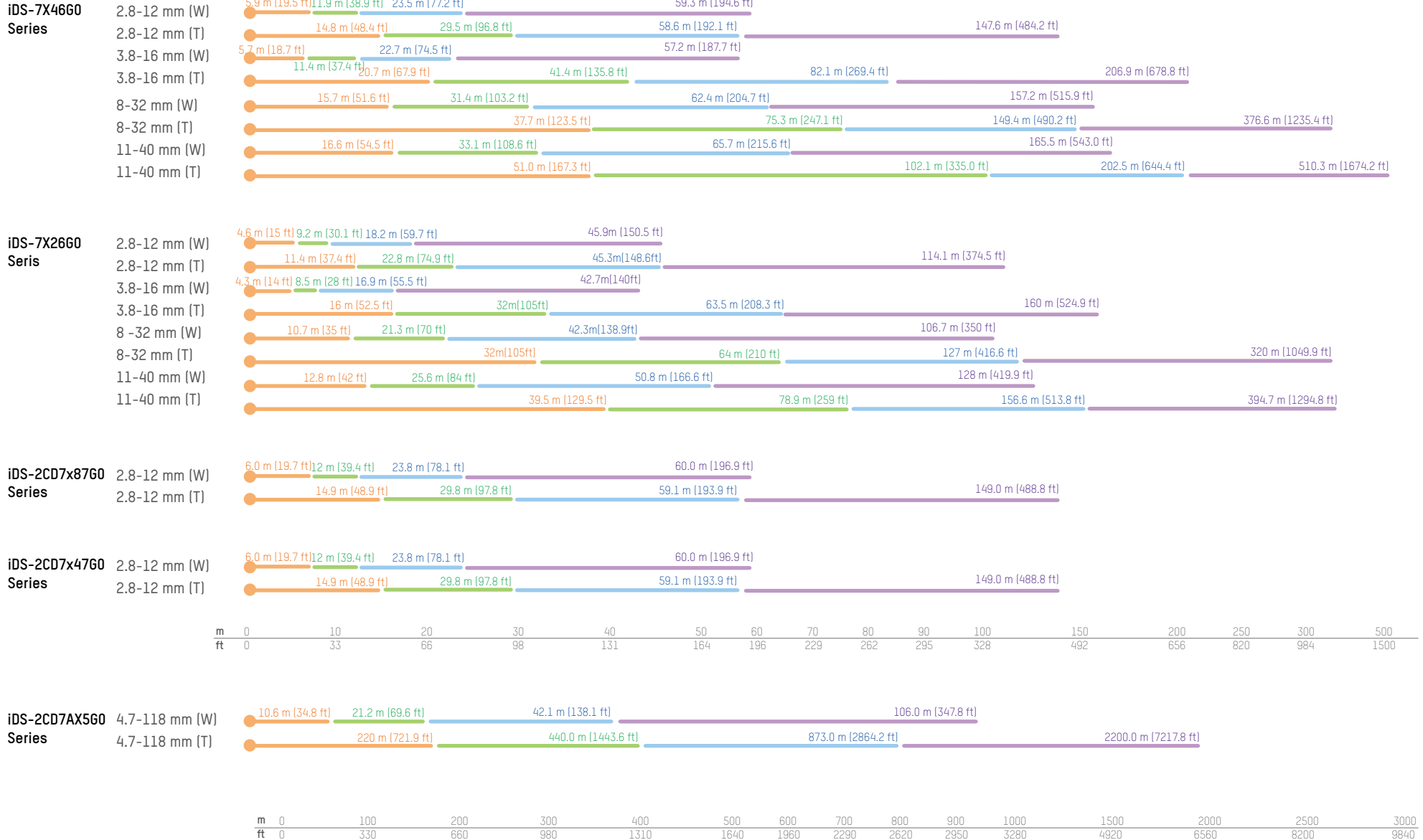
Find the Optimal Camera for Your Individual Security Needs

DORI Distance (D/O/R/I)

- Detect: 25 ppm
- Observe: 63 ppm
- Recognize: 125 ppm
- Identify: 250 ppm

NETWORK CAMERA

DeepinView Series



Find the Optimal Camera for Your Individual Security Needs

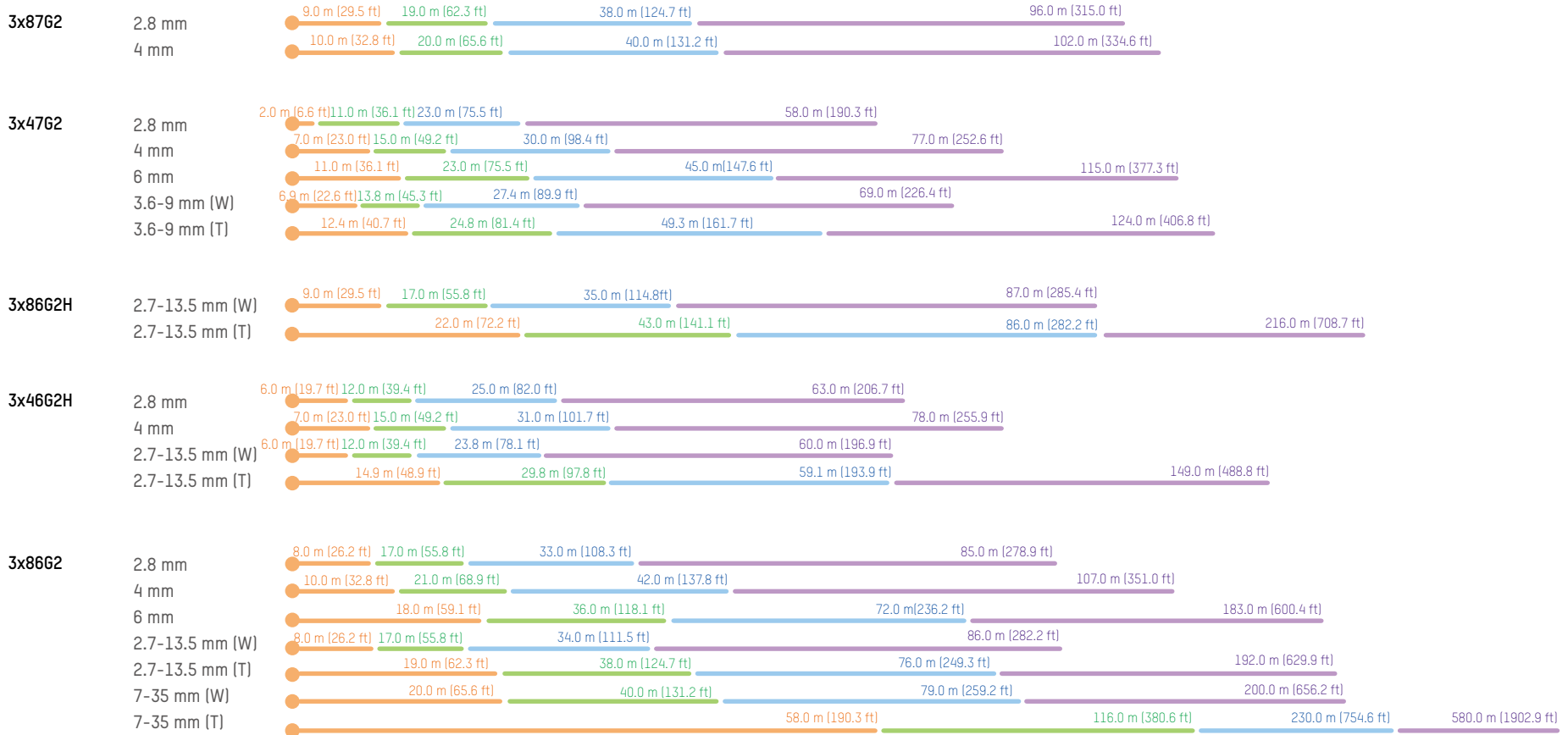
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NETWORK CAMERA

Ultra Series

DORI Distance (D/O/R/I)

- Detect: 25 ppm
- Observe: 63 ppm
- Recognize: 125 ppm
- Identify: 250 ppm



Find the Optimal Camera for Your Individual Security Needs

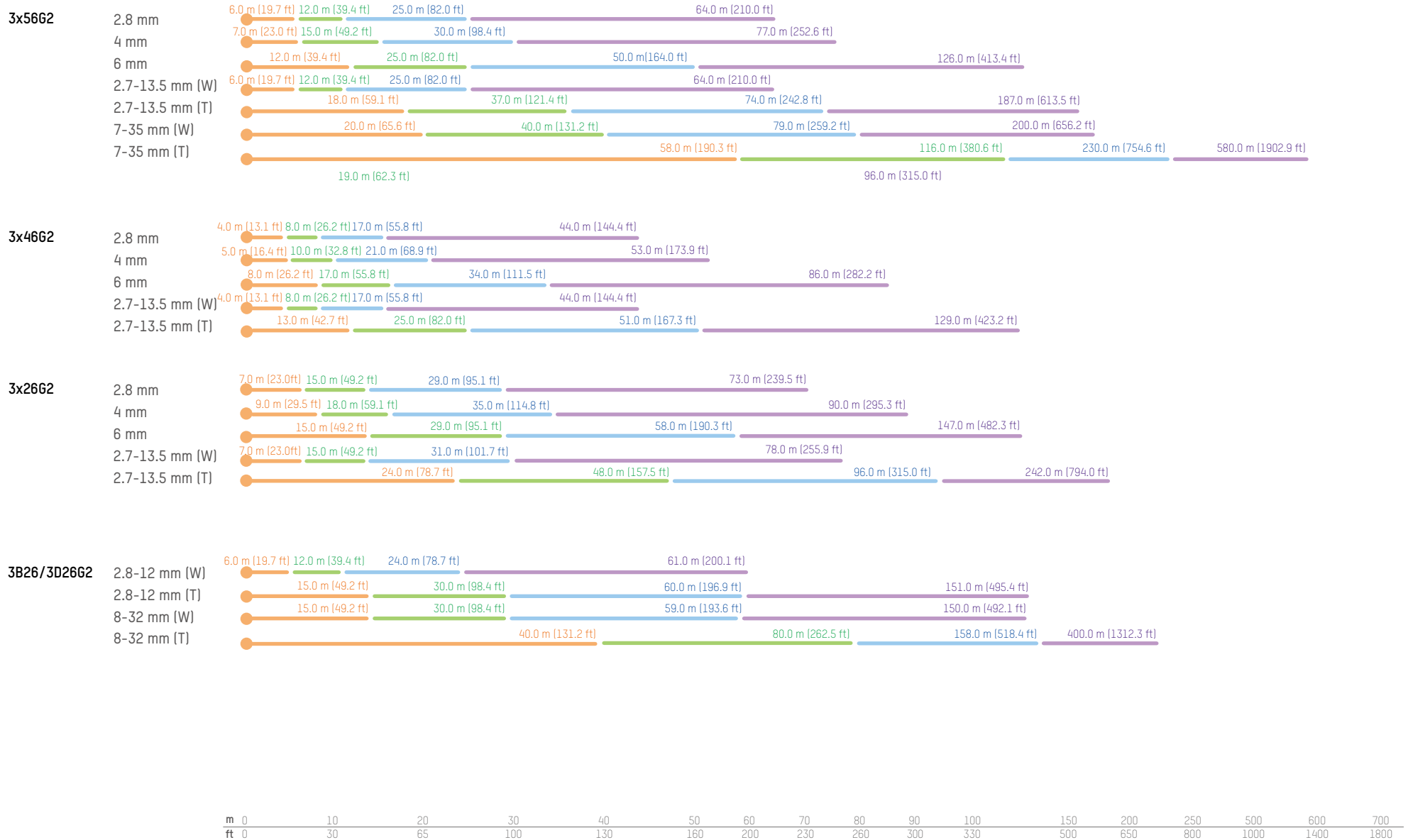
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DORI Distance (D/O/R/I)

- Detect: 25 ppm
- Observe: 63 ppm
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- Identify: 250 ppm

NETWORK CAMERA

Ultra Series



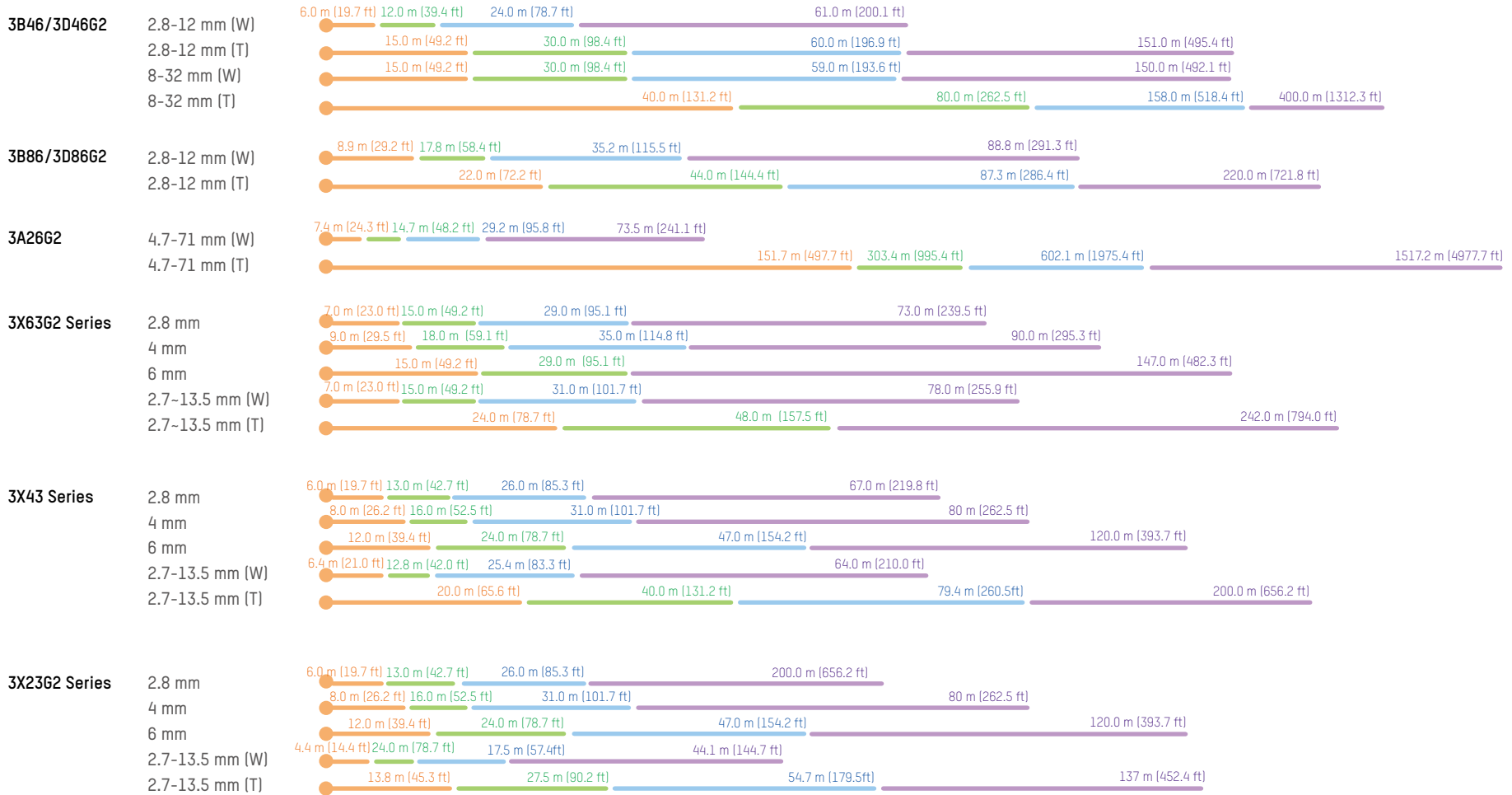
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DORI Distance (D/O/R/I)

- Detect: 25 ppm
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NETWORK CAMERA



Find the Optimal Camera for Your Individual Security Needs

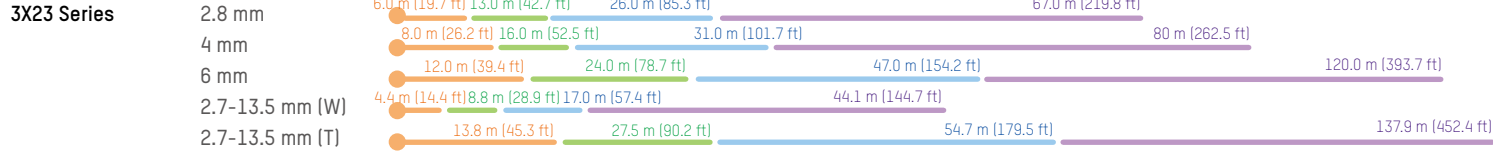
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DORI Distance (D/O/R/I)

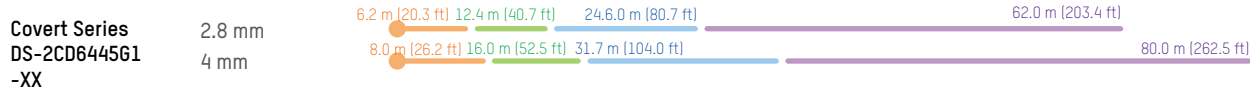
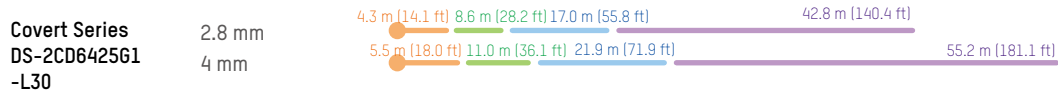
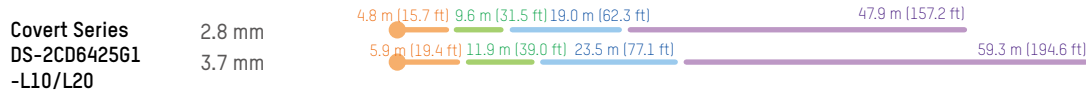
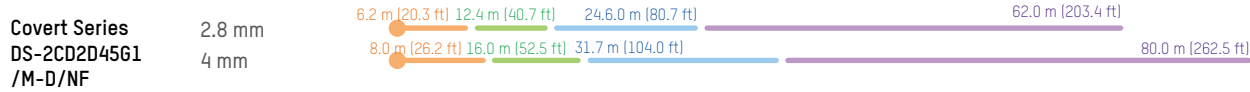
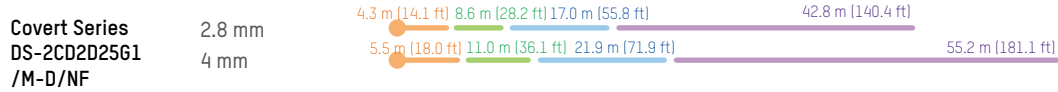
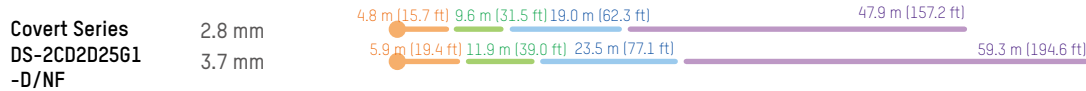
- Detect: 25 ppm
- Observe: 63 ppm
- Recognize: 125 ppm
- Identify: 250 ppm

NETWORK CAMERA

Ultra Series



Special Series



Solar-powered Series



Find the Optimal Camera for Your Individual Security Needs

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DORI Distance (D/O/R/I)

- Detect: 25 ppm
- Observe: 63 ppm
- Recognize: 125 ppm
- Identify: 250 ppm

NETWORK CAMERA

Solar-Powered Camera 6A87

2.8 mm
4 mm



Solar-Powered Camera 6A46

2.8 - 12 mm (W)
2.8 - 12 mm (T)



Wildlife Camera DS-2XS6F45G0

2.8 mm

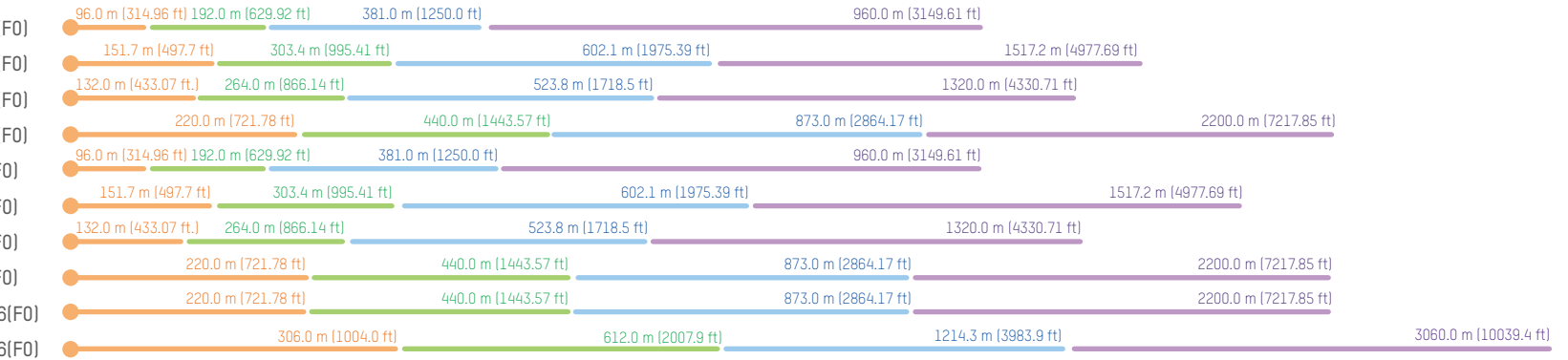


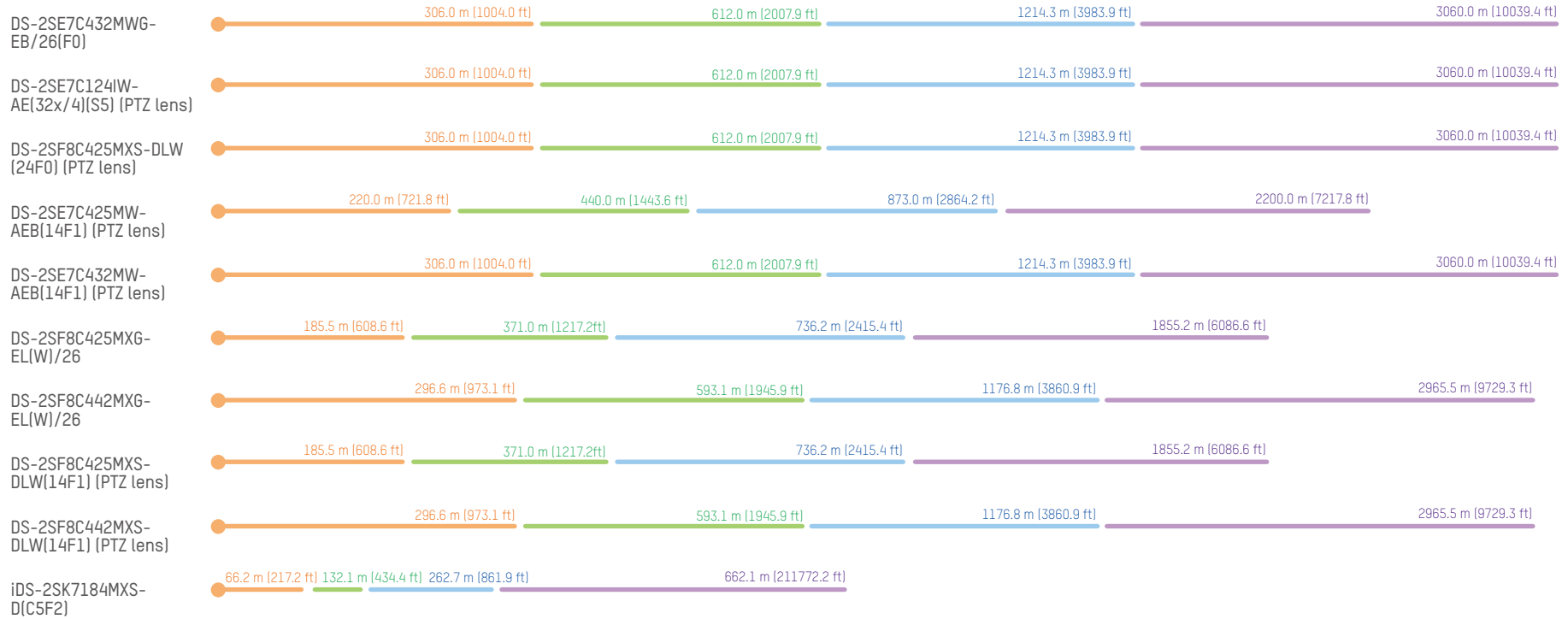
PTZ

TandemVu PTZ

TandemVu PTZ

- DS-2SE4C215MWG-E/26(F0)
- DS-2SE4C225MWG-E/26(F0)
- DS-2SE4C415MWG-E/26(F0)
- DS-2SE4C425MWG-E/26(F0)
- DS-2SE4C215MWG-E(12F0)
- DS-2SE4C225MWG-E(12F0)
- DS-2SE4C415MWG-E(14F0)
- DS-2SE4C425MWG-E(14F0)
- DS-2SE7C425MWG-EB/26(F0)
- DS-2SE7C432MWG-EB/26(F0)





Find the Optimal Camera for Your Individual Security Needs

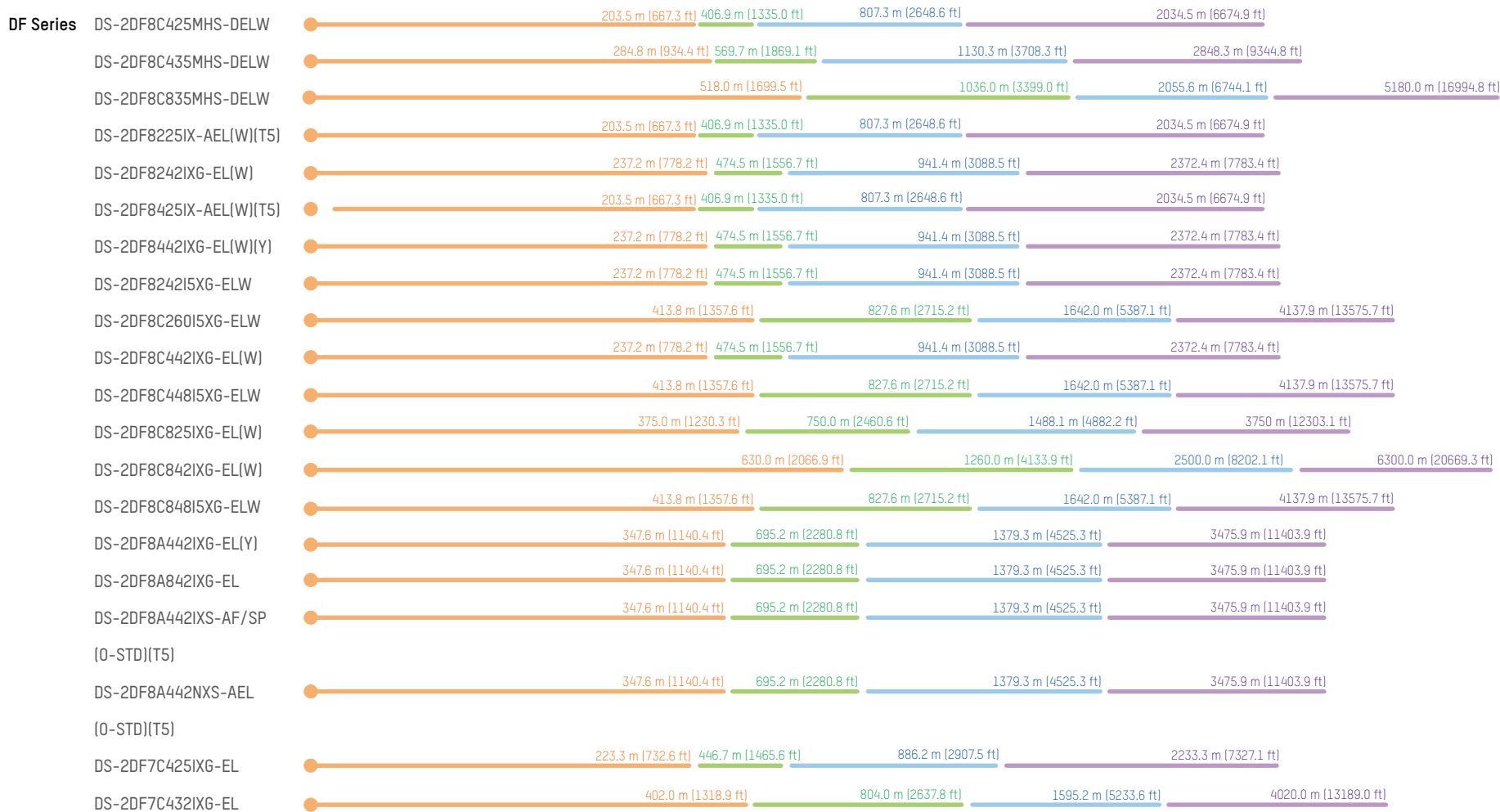
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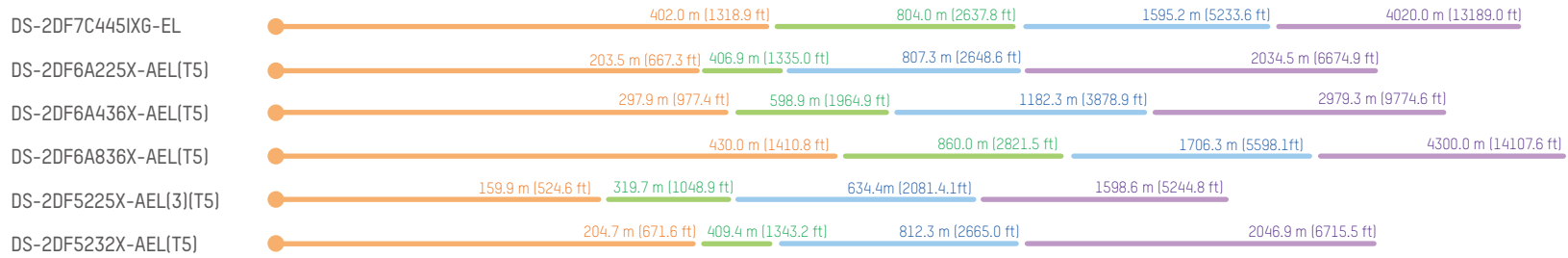
PTZ

Ultra Series

DORI Distance (D/O/R/I)

- Detect: 25 ppm
- Observe: 63 ppm
- Recognize: 125 ppm
- Identify: 250 ppm



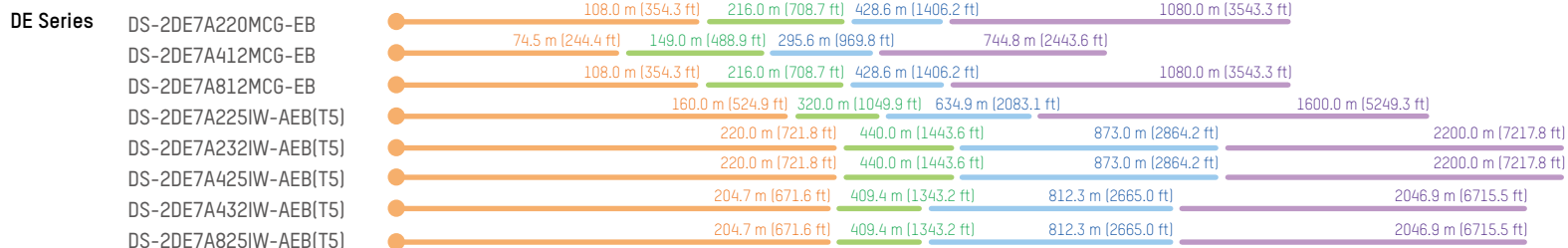


Find the Optimal Camera for Your Individual Security Needs

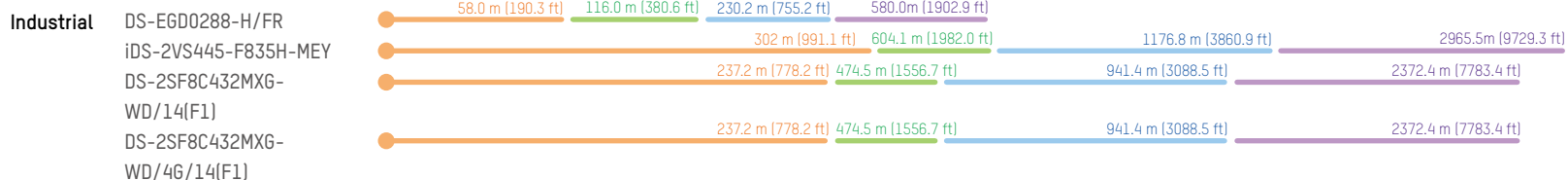
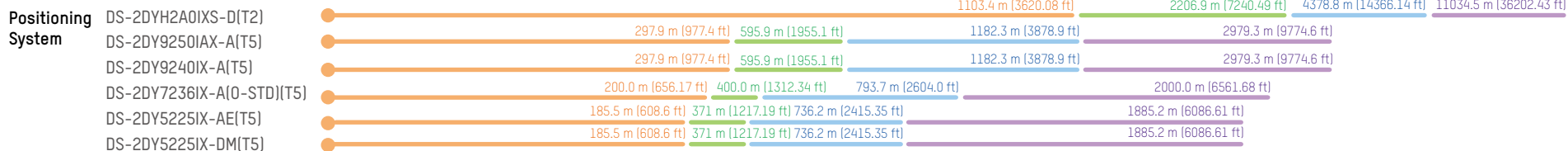
The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

PTZ

Ultra Series



Special Series



DORI Distance (D/O/R/I)

- Detect: 25 ppm
- Observe: 63 ppm
- Recognize: 125 ppm
- Identify: 250 ppm

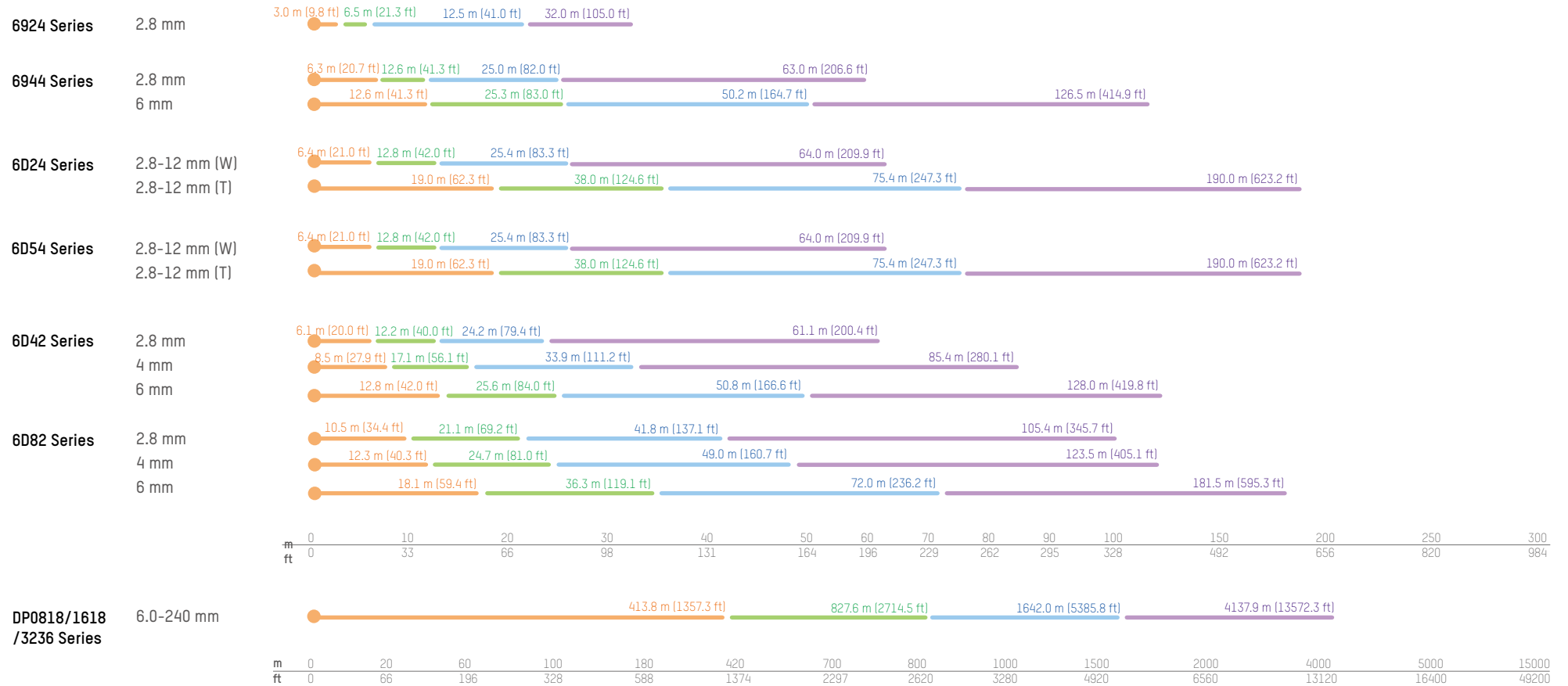


Find the Optimal Camera for Your Individual Security Needs

The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

PANORAMIC CAMERA

PanoVu



Find the Optimal Camera for Your Individual Security Needs

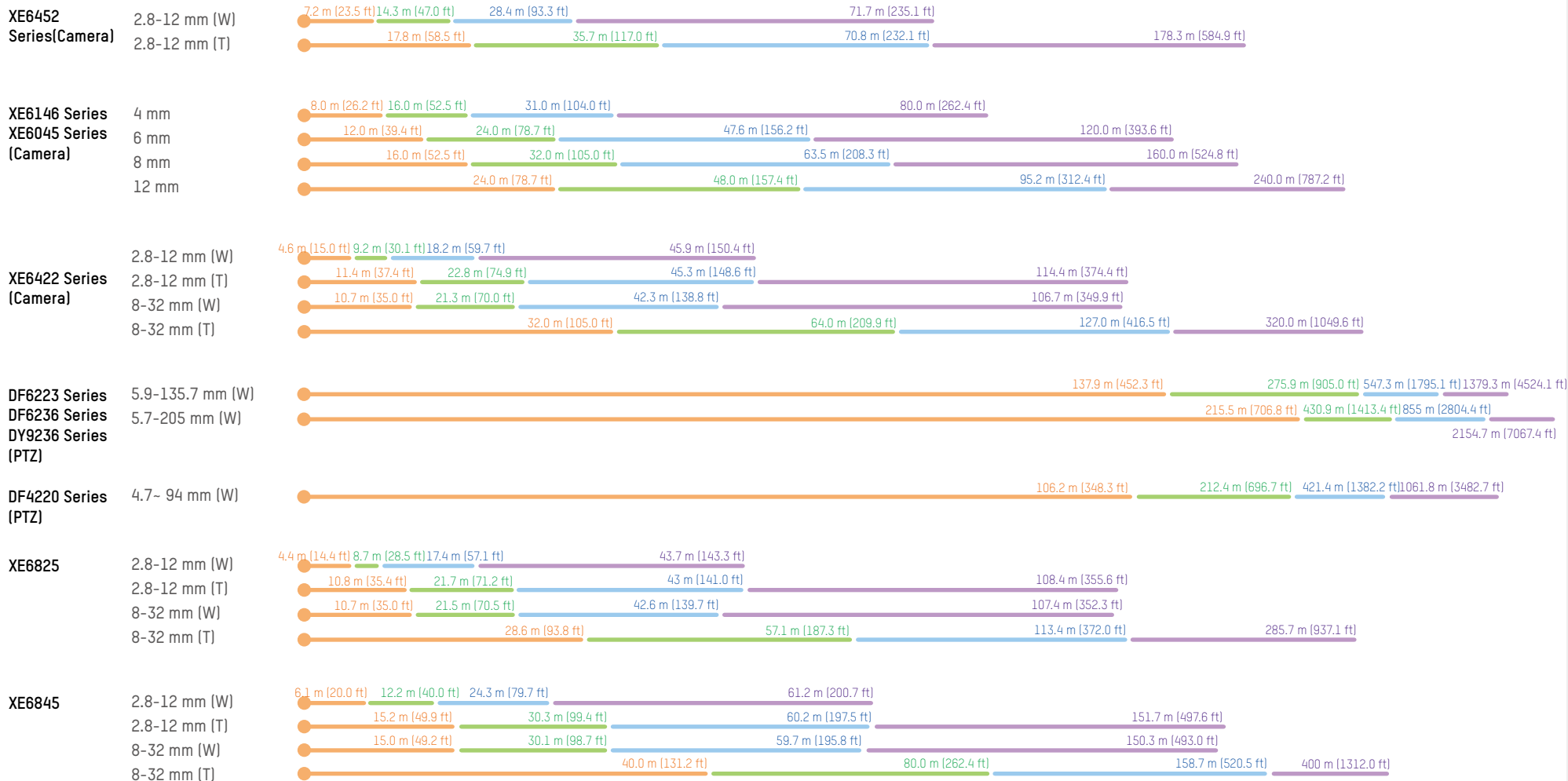
The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

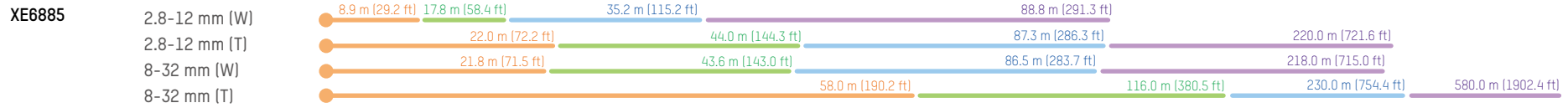
EXPLOSION-PROOF & ANTI-CORROSION

Explosion-Proof Series

DORI Distance (D/O/R/I)

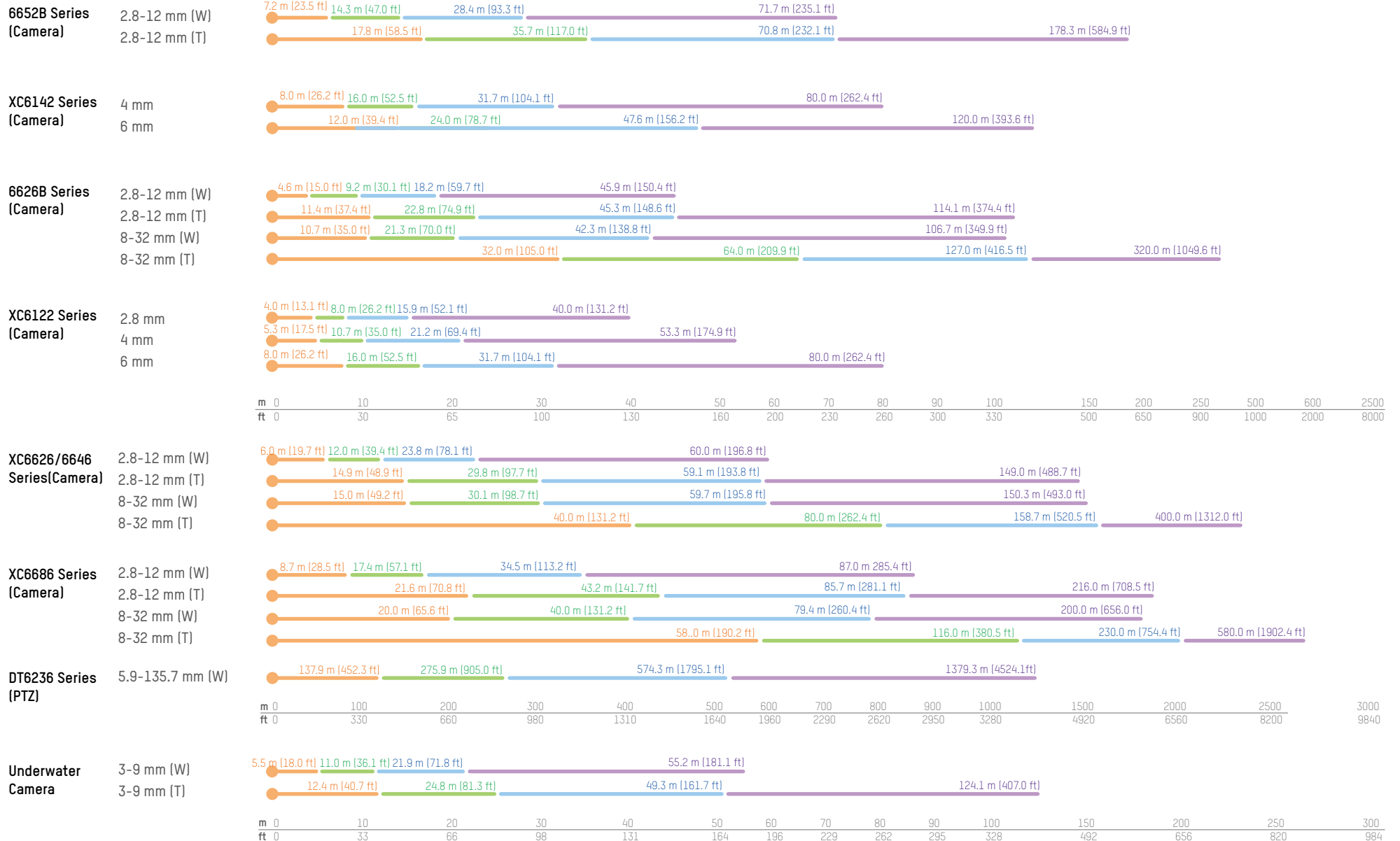
- Detect: 25 ppm
- Observe: 63 ppm
- Recognize: 125 ppm
- Identify: 250 ppm





EXPLOSION-PROOF & ANTI-CORROSION

Anti-Corrosion Series



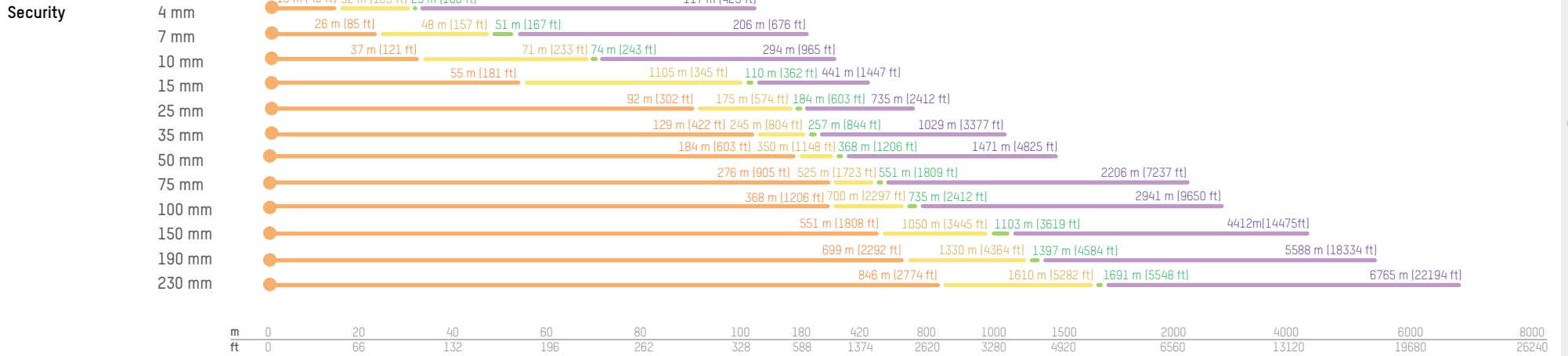
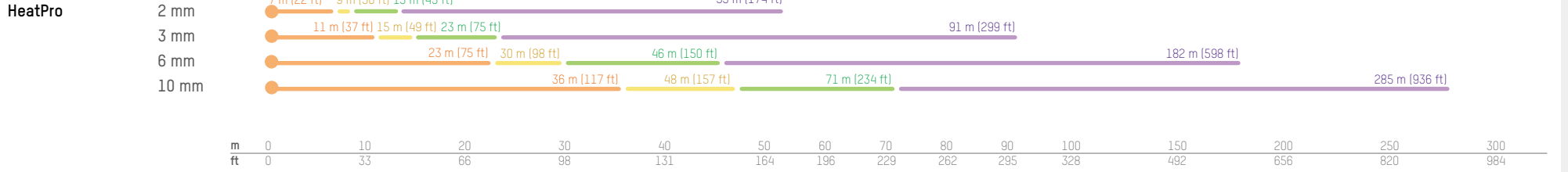
The DRI (Detection Recognition Identification) is defined in terms of the number of pixels on the object depend on a common standard, Johnson's criteria [http://en.wikipedia.org/wiki/Johnson's_criteria].

Thermal

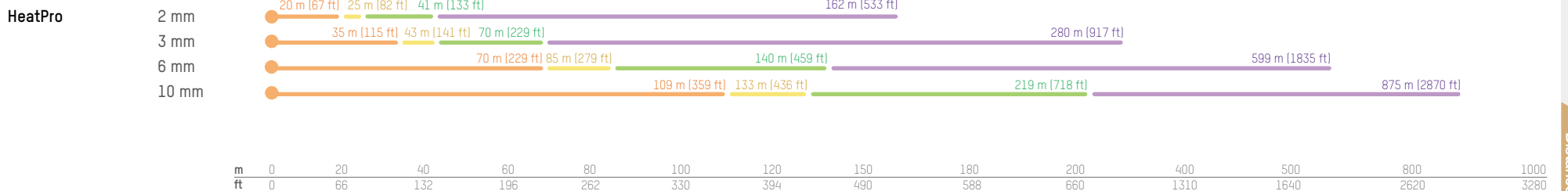
DS-2TDxxx7-Human (1.8x0.5m)

DORI Distance (D/O/R/I)

- Detection distance
- Recognition distance
- VCA distance
- Identification distance



DS-2TDxxx7-Vehicle (1.4x4.0m)



The DRI (Detection Recognition Identification) is defined in terms of the number of pixels on the object depend on a common standard, Johnson's criteria [http://en.wikipedia.org/wiki/Johnson's_criteria].

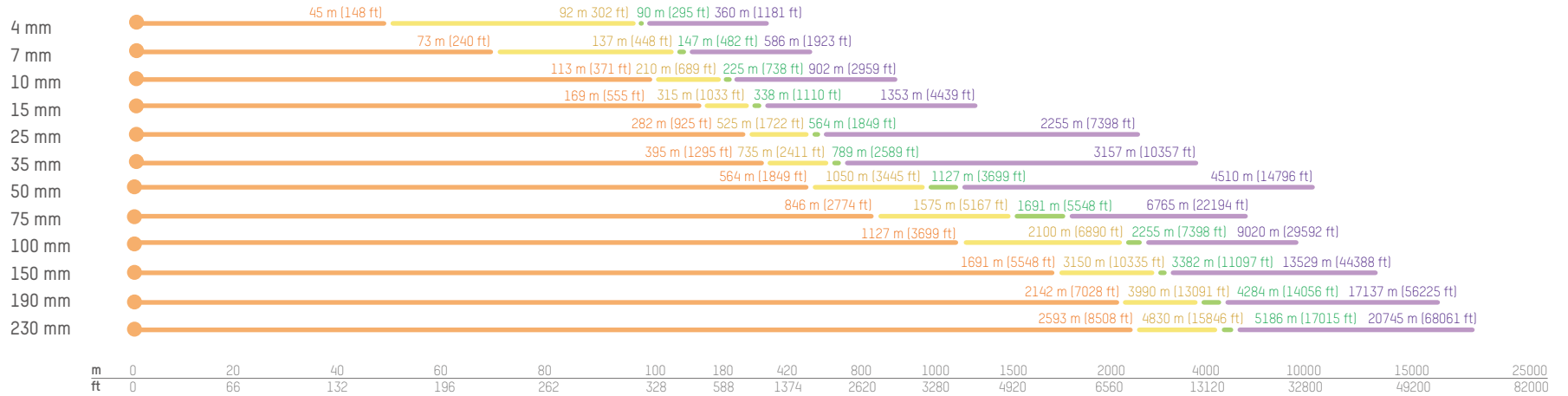
DORI Distance (D/O/R/I)

- Detection distance
- Recognition distance
- VCA distance
- Identification distance

THERMAL

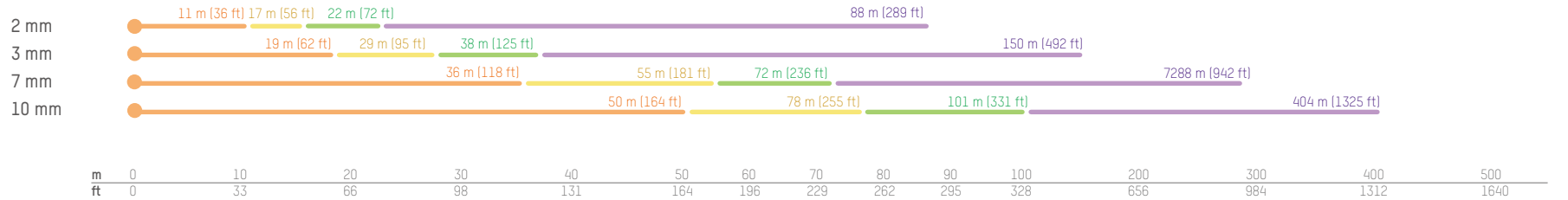
DS-2TDxxx7-Vehicle (1.4x4.0m)

Security

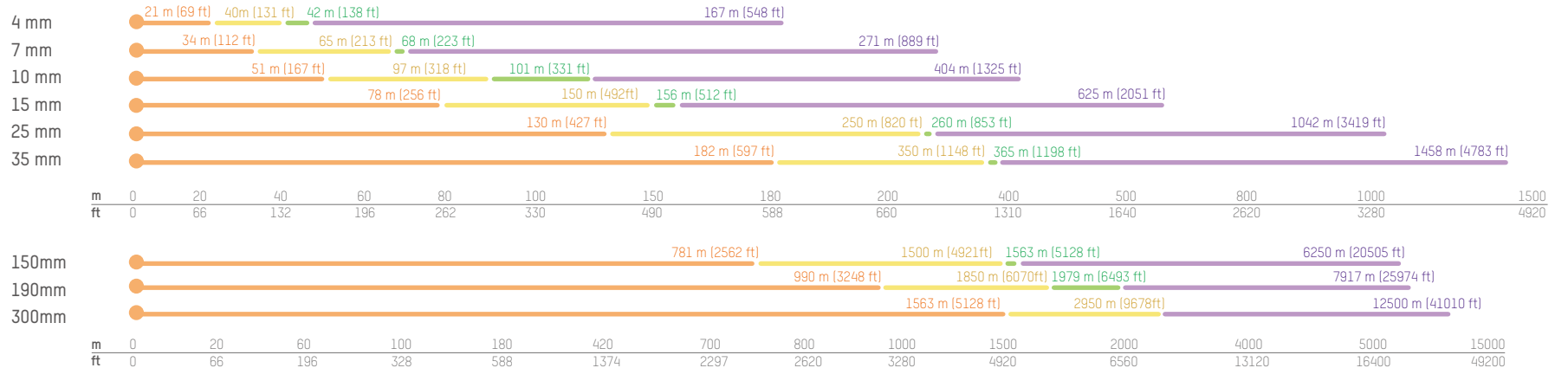


DS-2TDxxx8-Human (1.8x0.5m)

HeatPro



Security



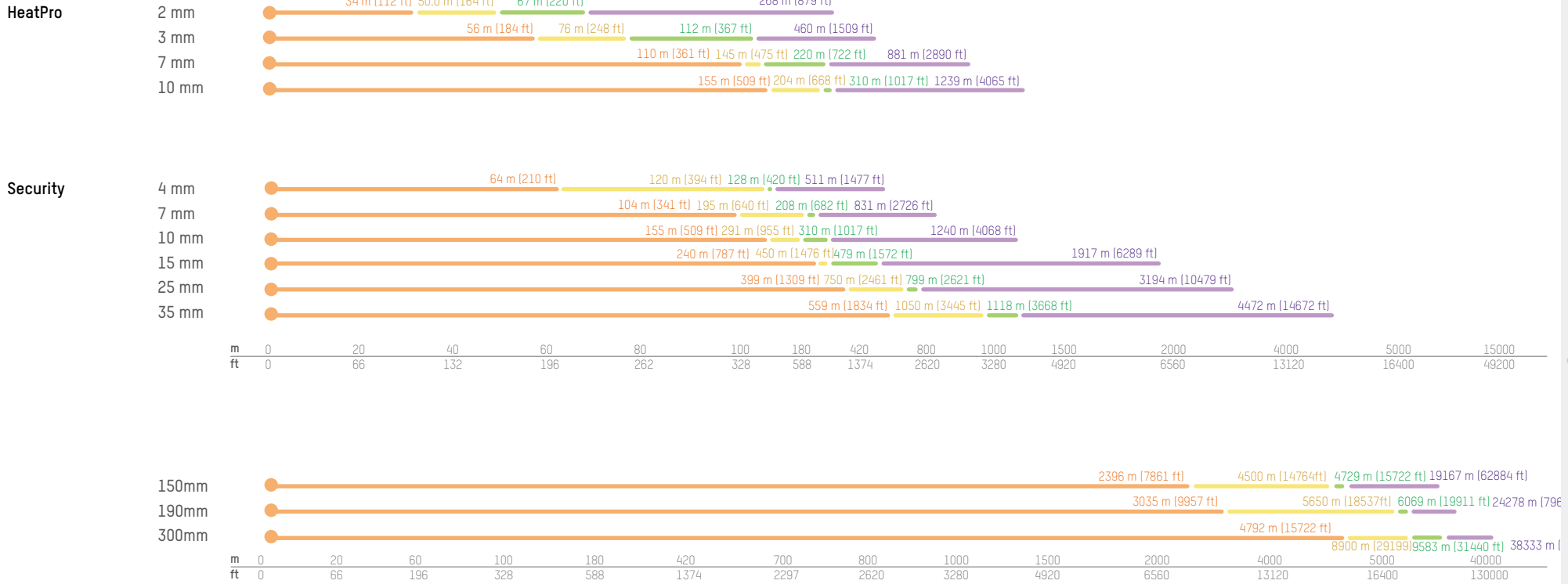
The DRI (Detection Recognition Identification) is defined in terms of the number of pixels on the object depend on a common standard, Johnson's criteria [http://en.wikipedia.org/wiki/Johnson's_criteria].

THERMAL

DS-2TDxxx8-Vehicle (1.4x4.0m)

DORI Distance (D/O/R/I)

- Detection distance
- Recognition distance
- VCA distance
- Identification distance





Hikvision Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China
T +86-571-8807-5998
Business: overseasbusiness@hikvision.com
Technical Support: support@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision Azerbaijan
T +994 50 369 81 57
Azerbaijan.CATC@hikvision.com

Hikvision Brazil
T +55-11-3318-0050
Latam.support@hikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com

Hikvision Czech
T +420 29 6182640
info.cz@hikvision.com

Hikvision Egypt
T +20223066117
sales.eg@hikvision.com

Hikvision Europe
T +31 23 5542770
sales.eu@hikvision.com

Hikvision France
T +33(0)1 85 330 450
info.fr@hikvision.com

Hikvision Germany
sales.dach@hikvision.com

Hikvision Hong Kong , China
sales.hk@hikvision.com

Hikvision Hungary KFT
info.hu@hikvision.com

Hikvision India
T +91-22-6855 9944
sales@pramahikvision.com

Hikvision Indonesia
T +6221 2933 9366
Sales.Indonesia@hikvision.com

Hikvision Israel
T +972 79 5555590
sales.israel@hikvision.com

Hikvision Italy
T +39 0438 6902
info.it@hikvision.com

Hikvision Kazakhstan
T +7 (727) 291-75-88
support@hikvision.kz

Hikvision Kenya
wangchengbin@hikvision.com

Hikvision Korea
T +82-1661-8138
sales.korea@hikvision.com

Hikvision Malaysia
T +60327224000
sales.my@hikvision.com

Hikvision Mexico
T +52 55 2624 0110
sales.mexico@hikvision.com

Hikvision New Zealand
T 09 217 3127
salesnz@hikvision.com

Hikvision New Panama
Sales.centralamerica
@hikvision.com

Hikvision Pakistan
T +92-2135147526
support.pk@hikvision.com

Hikvision Philippines
support.ph@hikvision.com

Hikvision Poland
T +48 22 460 01 50
info.pl@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Romania
marketing.ro@hikvision.com

Hikvision Singapore
T +65 6684 4718
sg@hikvision.com

Hikvision South Africa
T +27 877018113
sale.africa@hikvision.com

Hikvision Spain
T +34 91 737 16 55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Thailand
sales.thailand@hikvision.com

Hikvision Turkey
T +90 216 521 70 70
support.tr@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision UK & Ireland
T +44(0)1628 902 140
info.uk@hikvision.com

Hikvision Uzbekistan
T +998-71-233-55-50
uzbekistan@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Vietnam
T +84 24 7300 7586
sale.vn@hikvision.com

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