

**HIKVISION®**



**Hikvision LED Displays**  
Brighten every moment

# ABOUT HIKVISION

Hikvision is committed to serving various industries through its cutting-edge technologies of machine perception, artificial intelligence, and big data, leading the future of AIoT.

## R&D Investment



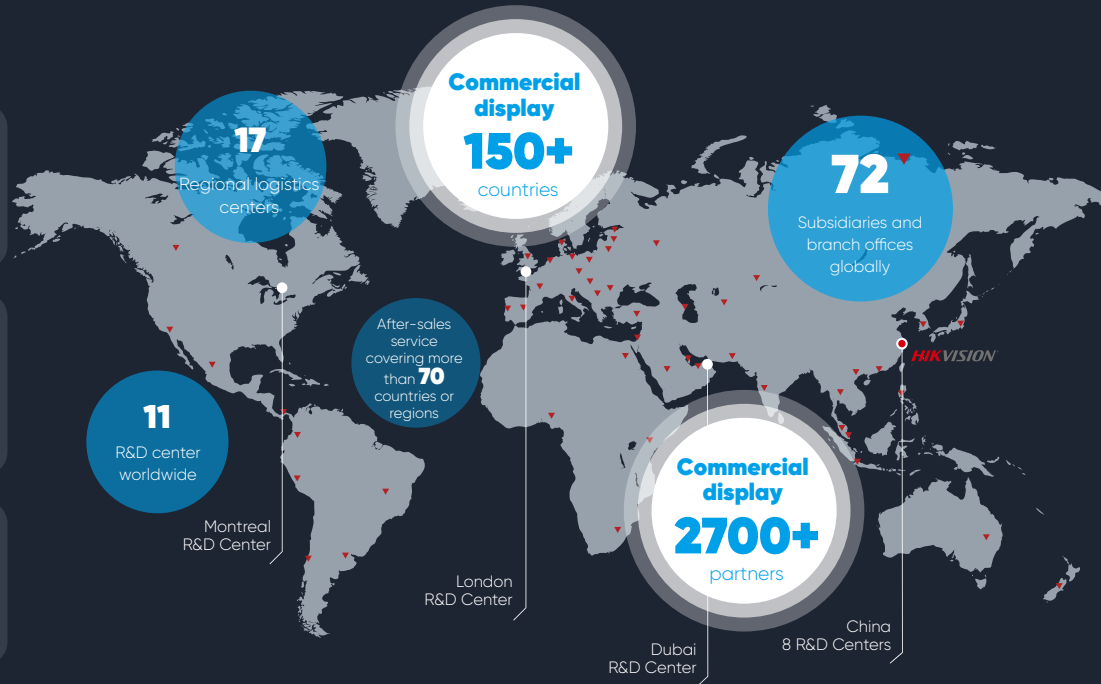
Over **11%** annual revenue invested in R&D



Almost **1/2** R&D engineers among **58,000+** employees worldwide



**7,500+** Patents



## Abundant Product & Solution Offerings

We develop nearly **30,000** hardware products and more than **200** software products with leading technologies, such as:



Video & Imaging Technology



Multi-Dimensional Perception



Artificial Intelligence

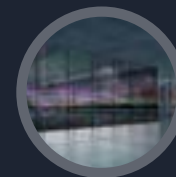
## Product Matrix of LED Displays



Indoor LED Displays



Outdoor LED Displays



Creative LED Displays



Rental LED Displays

# HIKVISION LED TECHNOLOGIES

## Excellent Display Performance



### HDR10 technology

High Dynamic Range 10 (HDR10) enhances display with better contrast, colors, and brightness for sharper, clearer LED images.



### Image and text enhancement

LED image enhancement and text enhancement technologies for better image gloss, transparency, and clearer details.



### Grayscale multiplication technology

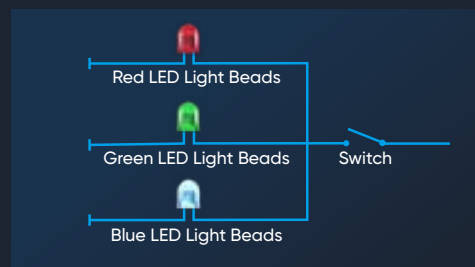
64x contrast ratio boost solves mosaic and vignetting, delivering seamless image transitions.

## Energy-saving Technologies



### Flip chip COB

Flip-chip COB boosts luminous area, energy savings, and temperature reduction by eliminating wire-bonding step.



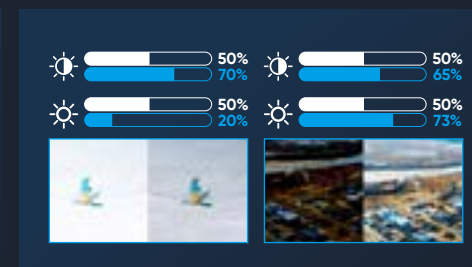
### Common cathodes

Common cathode powers each RGB LED separately, enabling accurate voltage distribution and reduced power consumption.



### Aluminum cabinets

Aluminium cabinets protect LED displays with excellent heat dissipation for prolonged component lifespan.



### Intelligent energy-saving engine

Hikvision's intelligent energy-saving engine enhances images with pixel-level clarity and intelligent analysis for optimal display quality.

# HIKVISION LED DISPLAYS MATRIX

## Indoor LED displays

Advanced indoor LED displays with diverse encapsulation technologies.



### ZWDH(B)

- Flip-chip COB, enhanced display effect, and better protection
- Contrast ratio up to 18,000:1, & brightness 1,000 nits
- Low power consumption



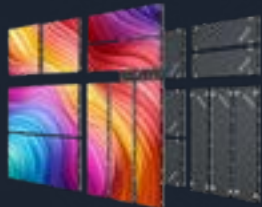
### CWF

- High flatness LED with 16:9 screen ratio
- Proprietary system with functional applications



### CWFH

- HOB technology enhances protection with lower dead lamp rates
- High flatness LED with 16:9 screen ratio
- Proprietary system with functional applications



### CGFx

- Creative splicing with diverse sizes, suitable for retail scenarios
- Flexible rotation to ensure optimal viewing
- Supports right-angle splicing and 10° outer arc splicing with creative shapes



### LED Splicing Screen

- HDMI or HDBaseT interface compatible (alternative)
- Built-in LED controller
- Plug-and-play ready
- Self splicing up to 10 screens



### CSF

- Affordable excellence
- Aluminum cabinet with high flatness and great heat dissipation

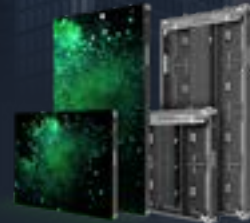
## Outdoor LED displays

Stand out from the crowd with high brightness, surprising energy-savings and excellent heat dissipation.



### GLF/CLF

- Supports operation without air conditioning below 60° C
- Up to 50% energy saving
- Up to 10,000 nits to ensure high brightness with less brightness degradation
- Front and rear maintenance
- Protection IP67 (front) and IP66 (rear)



### CLFS/CLFL

- Fine-pitch LED with great display effects
- Free splicing between large and small cabinets
- Up to 30% energy saving
- Supports operation without air conditioning below 60°C
- Up to 6,000 nits with less brightness degradation
- Protection IP66 (front and rear)



### CKA

- Waterproof die cast aluminum cabinet frame with high flatness
- Minimum pixel pitch of 2.5 mm

## Creative LED Displays

Revolutionize your LED display content.



### LED All-in-one Display

- Flexible installation, and screen size for various scenarios
- Built-in dual system (Android and Windows), and loudspeaker
- Outstanding display and projection for effective communication
- HOB technology enhances protection with lower dead lamp rates



### LED Poster Display

- Ultra thin design, flexible screen size, easy installation
- Up to 10 self-splicing screens with only HDMI cables
- Built-in controller and information display system for easy advertising
- HOB tech ensures reliable protection



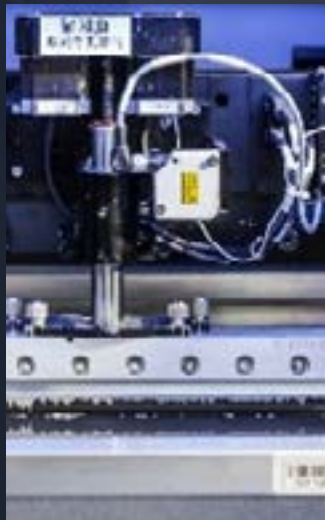
### Transparent LED Display

- High transparency (up to 70%) ensures good indoor lighting, suitable for advertising and retail applications
- Flexible, easy installation
- Ultra high indoor brightness – up to 5,000 nits

# In-house Manufacturing

A reliable production capacity and precise quality control are always Hikvision's top priorities. In-house manufacturing allows us to maintain consistent quality standards, increase output, respond better to market demands, and improve turnaround times.

Our self-research and self-production rate of baseline products has exceeded 90%, and the monthly production ability of LED lamps exceeds 5 billion.



**Solder Paste Printing**



**AOI - Automatic Optical Inspection**



**Surface Mounting**



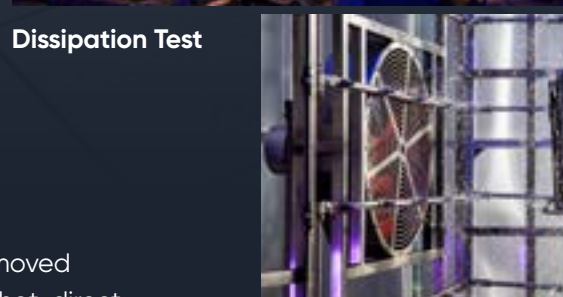
**Reflow**



**Lighting Inspection**



**Auto-aging**

**Climate Test****Salt Spray Test****Anechoic Chamber RF Test****Dissipation Test****Water Proof Test****Packaging and Transportation Test**

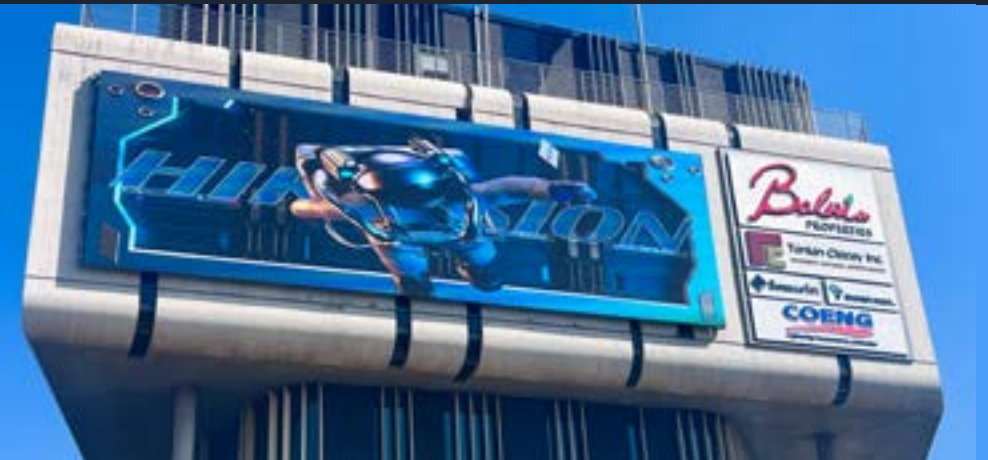
## Full-circle Quality Control

LED displays often have a hard life. Many are moved frequently, used outdoors on rigs, or placed in hot, direct sunlight for hours – testing their resilience to the utmost limits. By ensuring strict quality with full-circle testing, from incoming parts to outgoing products and everything in between, Hikvision builds every LED display at the highest standards. Our aim and purpose is to truly brighten every moment.

# SUCCESS STORIES

Customer: **Balwin Properties Limited**  
Location: Johannesburg, South Africa  
Industry: Real estate

Customer: **My Clinic Dental Centre**  
Location: Al Khalidiyyah, Saudi Arabia  
Industry: Healthcare



Customer: **GIGA Digital**  
Location: Vietnam  
Industry: Retail

Customer: **Secteo GmbH**  
Location: Thale, Germany  
Industry: Security

Customer: **GEMS Modern Academy**  
Location: UAE  
Industry: Education



Customer: **ShowTime**  
Location: São Paulo, Brazil  
Industry: Entertainment & Events

Customer: **Gereja Isa Almasih Dr. Cipto**  
Location: Semarang, Central Java, Indonesia  
Industry: Non-commercial organization

Customer: **Etern Laos Communication**  
Location: Vientiane, Laos  
Industry: Commercial



Customer: **Intersport**  
Location: Athens, Greece  
Industry: Retail



Customer: **Jashanmal**  
Location: UAE  
Industry: Retail

Customer: **Empl Fahrzeugwerk GmbH**

Location: Tyrol, Austria

Industry: Manufacturing



Customer: **A broadcasting studio**

Location: São Paulo, Brazil

Industry: Broadcasting



Customer: **Malta restaurant**

Location: Duhok, Iraq

Industry: Hospitality



Customer: **Oman Tower Company**

Location: Salalah, Oman

Industry: Telecommunications



Customer: **ShowTime**

Location: São Paulo, Brazil

Industry: Show & Events

Customer: **Global Entertainment Network Ltd**  
Location: Qatar  
Industry: Entertainment



Customer: **Piperaris Security**  
Location: Cyprus  
Industry: Security



Customer: **East Point Indian International School, Ajman**  
Location: UAE  
Industry: Education



Customer: **Kazakhstan Petrochemical Industries Inc.**  
Location: Kazakhstan  
Industry: Energy

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**HIKVISION**<sup>®</sup>