DISPLAY PRODUCTS

PROFESSIONAL DISPLAY PRODUCTS FOR SECURITY

www.hikvision.com
As the world’s leading provider of professional surveillance solutions, Hikvision is continuously seeking to improve the technology of video processing, analysis, and displays in order to offer the highest-quality goods and services. Since 2001, Hikvision has launched products including encoding/decoding cards, DVRs and NVRs, cameras, access control and alarm devices, etc. Now, using the latest advances in image capturing, image algorithms, image displays, and system control, Hikvision is ready to launch the video wall display unit, together with Hikvision’s released decoders, video wall controllers products to provide customers a total video surveillance display solution.

The Hikvision Video Wall supports LCD, DLP, POP, and LED light technologies, making the solution suitable for verticals such as city surveillance, transportation, finance, energy, and manufacturing.
Hikvision is the world-leading professional manufacturer and solution supplier in LCD display system based on rich project implementation experience and strong R&D (research and development) capability. Continuously focusing on technology R&D and product innovation in the field of splicing display unit, Hikvision provides a complete solution and high-quality products for customers’ demands, and gains a high domestic market share.

Hikvision LCD display unit adopts an ultra-narrow panel technology with bi-side seam as only 3.5 mm. It is designed for industrial display with LED backlight, high light and low light. High-quality LCD display units are provided with a full range of size: 46 inch and 55 inch. In addition, a wide selection of mounting bracket is presented for customers: modular bracket, wall mount bracket, and other brackets.
Hikvision is committed to providing the complete solution of DLP video wall display system. Importing the most advanced international DLP display technology and Danish DNP import screen, Hikvision provides customers with the most practical and advanced DLP display unit by integrating the modular structural design with installation technology, and equipping the display unit with the independent R&D image processor. Hikvision provides high-quality DLP products with a full range of sizes: 50 inch, 60 inch, 67 inch, and 70 inch.

Featuring narrow seam, excellent display, consistent between color and brightness, high reliability, high stability, and long lifespan, Hikvision DLP products have reached the industry’s most advanced level, and can fully satisfy customers’ security monitoring needs, command scheduling needs, and other needs.

**DLP Projection Display Unit**

### Key Features
- **TI Brilliant Color Technology**
- **3D Comb Filter Technology**
- **Intelligent Digital Brightness Adjustment**
- **DSC Digital Color Control**
- **Professional Dust-Proof and Radiating Design**
- **DNP Import Screen**
- **Advanced Production Technology**
- **Built-In Image Processor**
- **Independent Six-Axis Adjustment**
- **Dual CPU Processing Technology**
- **Redundant Power Design**
- **General Casing Design**
- **Front Maintenance Design**

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-D1050EH</th>
<th>DS-D1060EH</th>
<th>DS-D1067EH</th>
<th>DS-D1080EH</th>
<th>DS-D1070EF</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimension</strong></td>
<td>50”</td>
<td>60”</td>
<td>67”</td>
<td>80”</td>
<td>70”</td>
</tr>
<tr>
<td><strong>Width (mm)</strong></td>
<td>1016</td>
<td>1219</td>
<td>1361</td>
<td>1600</td>
<td>1550.2</td>
</tr>
<tr>
<td><strong>Height (mm)</strong></td>
<td>762</td>
<td>914</td>
<td>1021</td>
<td>1200</td>
<td>872</td>
</tr>
<tr>
<td><strong>Display Technology</strong></td>
<td>DLP technology (Superior 0.95&quot; 1-chip DLP, LVDS DMD Chip)</td>
<td>DLP technology (Superior 0.95&quot; 1-chip DLP, LVDS DMD Chip)</td>
<td>DLP technology (Superior 0.95&quot; 1-chip DLP, LVDS DMD Chip)</td>
<td>DLP technology (Superior 0.95&quot; 1-chip DLP, LVDS DMD Chip)</td>
<td>DLP technology (Superior 0.95&quot; 1-chip DLP, LVDS DMD Chip)</td>
</tr>
<tr>
<td><strong>Brightness</strong></td>
<td>500cd/㎡</td>
<td>800cd/㎡</td>
<td>500cd/㎡</td>
<td>800cd/㎡</td>
<td>500cd/㎡</td>
</tr>
<tr>
<td><strong>Brightness Horizontal</strong>: Vertical:</td>
<td>178°</td>
<td>178°</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Resolution</strong></td>
<td>SXGA+(1400*1050)</td>
<td>1920*1080</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lamp Bulb</strong></td>
<td>3*6 LED</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Contrast</strong></td>
<td>2500:01:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Output Brightness</strong></td>
<td>1200ANSI</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Evenness</strong></td>
<td>≥93%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Average Lifespan</strong></td>
<td>60000-100000 hour</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Scanning Frequency</strong></td>
<td>Horizontal: 15kHz-120kHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vertical: 24Hz-120Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Based on the great research and development ability in the field of display, Hikvision combines the market requirements and provides customers with a complete solution for LED full-color display system. Hikvision LED full-color display is spliced by standard LED boxes which adopt the SMT (Surface Mount Technology) and package RGB (red, green and blue) into one LED. The LED full-color display makes use of one-piece die-casting aluminum to guarantee the installation precision and durability of the splicing screens. It has features such as displaying seamless image, being environmentally friendly mute, being thin and having long service life, etc..

**LED Display Unit**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pixel structure</td>
<td>9PDL LED (luminous led integrated by three led leads)</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>1.25</td>
</tr>
<tr>
<td>Model Resolution (W×H)</td>
<td>192×135</td>
</tr>
<tr>
<td>Model dimension (W×H)</td>
<td>240×188.75 (mm)</td>
</tr>
<tr>
<td>Unit Resolution (W×H)</td>
<td>960×540 (mm)</td>
</tr>
<tr>
<td>Unit dimension (W×H×D)</td>
<td>1200×675×99 (mm)</td>
</tr>
<tr>
<td>Pixel density</td>
<td>640000 Points/m²</td>
</tr>
<tr>
<td>Unit ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Brightness (nits)</td>
<td>≥600</td>
</tr>
<tr>
<td>Visual Angle</td>
<td>Horizontal: 160°, Vertical: 160°</td>
</tr>
<tr>
<td>Contrast</td>
<td>≥6000:1</td>
</tr>
<tr>
<td>Average power consumption (W/m²)</td>
<td>360</td>
</tr>
<tr>
<td>Refresh rate (Hz)</td>
<td>3840</td>
</tr>
<tr>
<td>Service Life (h)</td>
<td>≥100,000 hours</td>
</tr>
</tbody>
</table>

**Genuine Seamless Splicing Technology**

**Advanced Box Structure Design**

**Superior Tube Core and Driver Chip**

**Nanosecond Response Time**

**Intelligent Brightness Adjustment**

**High Contrast and Wide Angle of View**

**Single Point Calibration Technology**

**Broadcast Level Gray Processing**

**Several Trillion Colors Display**

**Ultra-High Refresh Rate of 3840 Hz**

**Two-Channel Signal Input Design**

**Energy-Efficient PFT Power Supply**

**Unique Thermal Design**

**No Noise, Environmental Protection and Energy Saving**

**Ultra-Long Service Life**

**Space-Saving and Easily-Maintained Screen**
MONITOR

Based on the research and development ability and product innovation ability in the field of display, Hikvision responds to the market requirements and provides customers with monitors with full range of sizes and powerful functions. The sizes include 19 inch, 21 inch, 22 inch, 32 inch, 42 inch, etc. Hikvision monitor adopts industrial level panel and supports working for 7 x 24 hours, satisfying the market requirements for surveillance fully. We have independent production line and strict quality control to guarantee the high reliability of the product.

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-DS019FC</th>
<th>DS-DS021FC</th>
<th>DS-DS022FC</th>
<th>DS-DS032FL</th>
<th>DS-DS042FL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagonal Size (inch)</td>
<td>19.5”</td>
<td>20.7”</td>
<td>21.5”</td>
<td>31.5”</td>
<td>42”</td>
</tr>
<tr>
<td>Resolution</td>
<td>1920×1080</td>
<td>1920×1080</td>
<td>1920×1080</td>
<td>1920×1080</td>
<td>1920×1080</td>
</tr>
<tr>
<td>Contrast</td>
<td>1200:1</td>
<td>1200:1</td>
<td>1200:1</td>
<td>1200:1</td>
<td>1200:1</td>
</tr>
<tr>
<td>Brightness</td>
<td>250cd/m²</td>
<td>250cd/m²</td>
<td>250cd/m²</td>
<td>500cd/m²</td>
<td>500cd/m²</td>
</tr>
<tr>
<td>Brightness Angle of View</td>
<td>170°/160°</td>
<td>170°/160°</td>
<td>170°/160°</td>
<td>178°/178°</td>
<td>178°/178°</td>
</tr>
<tr>
<td>Bezel Material</td>
<td>Plastic</td>
<td>Plastic</td>
<td>Plastic</td>
<td>Metal</td>
<td>Metal</td>
</tr>
</tbody>
</table>

Features:

01 Direct LED Backlight
02 Working for 7x24 hours
03 Ultra-High Brightness
04 Ultra-Wide Angle of View
05 Response Time Less Than 8ms
06 3D Comb Filter Technology
07 3D Noise Reduction Technology
08 Frame Freeze Technology
09 Built-In Audio Output
10 Built-In Professional Image Processing Technology
11 Built-in Audio Output
12 Playing External File Available
13 Built in Boot Logo Customizable
CONTROL DEVICE

High Definition Decoder

DS-6400HDI-T series decoder is the decoding device developed by Hikvision on the basis of embedded hardware platform. It supports multiple compression standards such as H.265, H.264, MPEG, etc. Customers can choose the specific model according to their own requirements. The decoder has powerful decoding function and good software compatibility with a stable and reliable operation.

Key features
• Max. 8-ch 8MP or 32-ch 1080P decoding
• PC signal input via VGA/DVI input interface(except DS-6401HDI-T)
• Decoding output via DVI and BNC interface(DS-6401HDI/ HDM/ VGA/BNC output)
• 1/4/8/16/32/64/128/128 division
• H.264/MPEG4/MPEG2/MJPEG format
• Max. 4×4×4 video wall control
• Window division, large screen splicing, cross-window video roaming

Available models
DS-6401HDI-T
DS-6404HDI-T
DS-6408HDI-T
DS-6410HDI-T
DS-6412HDI-T
DS-6416HDI-T

Video Wall Controller

DS-C10S series multi-screen controller is a new generation of pure hardware image processing device based on FPGA. Compared with traditional controller, it has new system architecture, data exchange system, data processing mode and device structure. It has high system bandwidth and supports the accessing and real-time processing of multi-channel signal. It’s a high-end image processing device with powerful functions. It supports the splice and display of max. 72 screens, opening window and window roaming, signal input of up to 82 channels, and the signal input via BNC, VGA, DVI, HDMI, SDI, YPbPr, HDTVI, DP, etc.

Key features
• A signal source can be displayed on the M×N (M ≥ 1, N ≥ 1, M×N ≤72) display units.
• Up to 8 kinds of signal sources are supported, including VGA, DVI, HDMI, BNC, SDI, YpbPr, Ultra HD and IP camera input.
• Support 1/4/9/16 multi-screen layout.
• Up to 6 image layers can be displayed on one screen, including one virtual LED image layer and a background layer.
• Support cross-window video roaming

Available models
DS-C10S-S11/E (4U chassis)
DS-C10S-S22/E (8U chassis)
DS-C10S-S41/E (13U chassis)

SUCCESS STORIES

LCD Display Unit Application

Application in Public Security
Harbin Nehe Command Center (55-inch LCD display unit, 4 x 18 window division mode)

Key features
• Max. 8-ch 8MP or 32-ch 1080P decoding
• PC signal input via VGA/DVI input interface(except DS-6401HDI-T)
• Decoding output via DVI and BNC interface(DS-6401HDI/ HDM/ VGA/BNC output)
• 1/4/8/16/32/64/128/128 division
• H.264/MPEG4/MPEG2/MJPEG format
• Max. 4×4×4 video wall control
• Window division, large screen splicing, cross-window video roaming

Available models
DS-6401HDI-T
DS-6404HDI-T
DS-6408HDI-T
DS-6410HDI-T
DS-6412HDI-T
DS-6416HDI-T

Application in Financial Service
Credit Card Center of China Minsheng Bank (46-inch LCD display unit, 6 x 10 window division mode)

DLP Projection Display Unit Application

Application in Public Security
Taiyuan 12345 Service Center (55-inch LCD display unit, 7 x 18 window division mode)

Application in Energy Resources
Nanliang Mining Command Center (55-inch LCD display unit, 5 x 12 window division mode)

Application in Public Service
Chongqing Public Security Bureau (67-inch arch DLP display unit, 6 x 10 window division mode)

Application in Public Security
Anti-Explosion Command Center of Lingshui Public Security Bureau (67-inch DLP display unit, 4 x 8 window division mode)
SUCCESS STORIES

Application in Public Transportation
Dispatch and Command Center of Taiyuan North Railway Station
(50-inch DLP display unit, 3 x 10 window division mode)

Application in Military
Linfen Military Sub-Command Center (60-inch DLP display unit, 4 x 8 window division mode)

LED Display Unit Application
Application in Government
Nanjing Municipal Government (LED display unit of 14.58 m² with small space of 1.2 mm)

Application in the Customs
Ningbo Customs Surveillance Center (LED monitor of 27.72 m² with small space of 1.2 mm)