DS-D4212FI-CWF/Ⅲ
Full-Color LED Display

DS-D4212FI-CWF is the new generation small pixel pitch indoor full-color LED display. LED video wall features in seamlessness, high brightness/contrast, wide viewing angle, and accurate color restoration, achieving good visual effect. It is widely used in places such as monitoring center, command center, conference room, report hall, and exhibition hall.

- Seamlessly splice images in rows and columns.
- Easily form standard 1920 × 1080 and 3840 × 2160 screens, achieving high definition dot-by-dot display.
- Automatically adapt signal sources to screens without the help of a video processing equipment.
- Easily optimize images with low resolution by improving definition, contrast and saturation with Pix Master technology.
- Dynamically enhance image parameters such as contrast, sharpness, saturation, color temperature and gamut to get the image more vivid.
- A signal input of 4K resolution at 30 Hz, and an output of up to 4K resolution for a single device.
- Use the buttons on the panel of sending card to adjust brightness and switch signal.
- Use the Hikvision remote control (optional) to navigate through menu after access to the multi-functional card.
- Automatically remove moisture to protect lamp boards from water damage when the device is kept in a humid environment or left unused for a long time.
- Back up signals and power supplies (optional) to maintain a reliable system.
- Real-time cabinet temperature and voltage checking to guarantee product safety.
- Use the sending card to input HDMI, DVI, and DP signals.
- Network interface output.
- Remote configuration via the debugging network interface.
- Easy to disassemble lamp board, power supply, and receiving card on the front side with modular unit structure.
- Precise fool-proof design of lamp boards with magnetic adsorption to prevent wrong installation.
- Three-axis XYZ structure designed to perfectly adjust the flatness of the entire screen.
- Rapidly eliminate bright and dim lines with no need of professional equipment or operations.
## Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-D4212FI-CWF/III</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cabinet</strong></td>
<td></td>
</tr>
<tr>
<td>Pixel Configuration</td>
<td>SMD Triad LED</td>
</tr>
<tr>
<td>Pixel Pitch Category</td>
<td>P1.2</td>
</tr>
<tr>
<td>Pixel Pitch</td>
<td>1.25 mm</td>
</tr>
<tr>
<td>Modules Component</td>
<td>2 × 4</td>
</tr>
<tr>
<td>Dimensions (W × H × D)</td>
<td>600 mm × 337.5 mm × 50.9 mm (23.62&quot; × 13.29&quot; × 2.00&quot;)</td>
</tr>
<tr>
<td>Resolution</td>
<td>480 × 270</td>
</tr>
<tr>
<td>Area</td>
<td>0.2025 m²</td>
</tr>
<tr>
<td>Weight</td>
<td>5.4 Kg (11.9 lb)</td>
</tr>
<tr>
<td>Pixel Density</td>
<td>640000 dots/m²</td>
</tr>
<tr>
<td>Lamp Board Housing</td>
<td>No housing</td>
</tr>
<tr>
<td>Cabinet Material</td>
<td>Magnalium</td>
</tr>
<tr>
<td>Maintenance Method</td>
<td>Front maintenance for all components</td>
</tr>
<tr>
<td>Cabinet Flatness</td>
<td>0.1 mm</td>
</tr>
<tr>
<td>Protection Level</td>
<td>Front protection level IP60</td>
</tr>
</tbody>
</table>

| **Display** | | |
| White Balance Brightness | 800 cd/m² |
| Color Temperature | 3000 K to 10000 K adjustable |
| Viewing Angle | Horizontal 160°, vertical 160° |
| Contrast Ratio | ≥ 5000:1 |
| Color Uniformity | ≤ ± 0.003Cx, Cy |
| Brightness Uniformity | ≥ 97% |

| **Processing Performance** | | |
| Driving Method | Constant current driving |
| Frame Frequency | 60 Hz |
| Refresh Rate | Up to 3840 Hz |
| Grey Level | Up to 16 bit |
| Display Color | 281 trillion |

| **Power** | | |
| Power Supply | 110~220 VAC ± 15% |
| Max. Consumption | ≤ 600 W/m² |
| Average Consumption | < 200 W/m² |

| **Working Environment** | | |
| Working Temperature | -10~40 °C |
| Working Humidity | 10%~80% RH |
| Storage Humidity | 10%~80% RH |
| Storage Temperature | -20~60 °C |

| **General** | | |
| Gross Weight | 9.6 Kg (21.2 lb) |
| Package Dimension (W × H × D) | 796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56") |
| Lifespan | Lamp 100,000 hours |
**Typical Application**

- Power Distribution Cabinet
  - Power Cable
  - Network Cable

- Video Wall Controller
  - DVI / HDMI

- Sending Card
  - Category 5 Cable

- Signal Source
  - DVI / HDMI

- Display Parameter Control Device
  - Wired/Wireless
  - Infrared Signal

**Dimension (unit: mm)**

```
<table>
<thead>
<tr>
<th>600</th>
<th>307.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>560</td>
<td>296.5</td>
</tr>
</tbody>
</table>
```
• Accessory
  DS-D42C08-H  DS-D42C04-H

• Available Model
  • DS-D4212FI-CWF 600 × 337.5 mm/3rd Cabinet
  • DS-D4212FI-CWF/A 3rd Cabinet Lamp Board

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