DS-D4209FI-MWF/III
Full-Color LED Display

DS-D4209FI-MWF 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.
- 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.
- 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.
**Function**
1. Automatically adapt signal sources to screens without the help of a video processing equipment.
2. A signal input of 4K resolution at 30 Hz, and an output of up to 4K resolution for a single device.
3. Use the buttons on the panel of sending card to adjust brightness and switch signal.
4. Use the Hikvision remote control (optional) to navigate through menu after access to the multi-functional card.
5. 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.
6. Back up signals and power supplies (optional) to maintain a reliable system.
7. Real-time cabinet temperature and voltage checking to guarantee product safety.
8. Use the sending card to input HDMI, DVI, and DP signals.
10. Remote configuration via the debugging network interface.

**Specification**

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-D4209FI-MWF/III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pixel Configuration</td>
<td>Surface mounted quaternity LED</td>
</tr>
<tr>
<td>Pixel Pitch Category</td>
<td>P0.9</td>
</tr>
<tr>
<td>Pixel Pitch</td>
<td>0.9375 mm</td>
</tr>
<tr>
<td>Lamp Dimensions</td>
<td>1.62 mm × 1.62 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>640 × 360</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>142222 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>
<tr>
<td>Lamp Encapsulation</td>
<td>Multi-Color 0.9375 Quaternity</td>
</tr>
<tr>
<td>Driver IC</td>
<td>ICN2069</td>
</tr>
<tr>
<td>Control System</td>
<td>DS-D42C04-H, DS-D42C08-H, DS-D42C16-H</td>
</tr>
<tr>
<td>White Balance Brightness</td>
<td>800 cd/m²</td>
</tr>
<tr>
<td>Color Temperature</td>
<td>3000 K to 10000 K adjustable</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>≥ 5000:1</td>
</tr>
<tr>
<td>Color Uniformity</td>
<td>≤ ± 0.003Cx , Cy</td>
</tr>
<tr>
<td>Brightness Uniformity</td>
<td>≥ 97%</td>
</tr>
<tr>
<td>Driving Method</td>
<td>Constant current driving</td>
</tr>
<tr>
<td>Frame Frequency</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Refresh Rate</td>
<td>Up to 3840 Hz</td>
</tr>
<tr>
<td>Grey Level</td>
<td>Up to 16 bit</td>
</tr>
<tr>
<td>Display Color</td>
<td>281 trillion</td>
</tr>
<tr>
<td>Power Supply</td>
<td>110–220 VAC ± 15%</td>
</tr>
<tr>
<td>Max. Consumption</td>
<td>≤ 142 W/m²</td>
</tr>
<tr>
<td>Average Consumption</td>
<td>&lt; 47 W/m²</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-10 ℃ to 40 ℃ (14 ℉ to 104 ℉)</td>
</tr>
<tr>
<td>Working Humidity</td>
<td>10%~80%RH</td>
</tr>
<tr>
<td>Storage Humidity</td>
<td>10%~80%RH</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20 ℃ to 60 ℃ (-4 ℉ to 140 ℉)</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>9.6 kg (21.2 lb)</td>
</tr>
<tr>
<td>Package Dimension (W × H × D)</td>
<td>796 mm × 484 mm × 192 mm (31.33&quot; × 19.05&quot; × 7.56&quot;)</td>
</tr>
<tr>
<td>Lifespan</td>
<td>Lamp 100,000 hours</td>
</tr>
</tbody>
</table>
• Typical Application

- Power Distribution Cabinet
- 3D SYNC
- Network Cable
- Power Cable
- Switch
- Video Wall Controller
- Signal Source
- Wired/Wireless
- Display Parameter Control Device
- DVI / HDMI
- Infrared Signal Without Switch
- Category 5 Cable

• Dimension
### Accessory

<table>
<thead>
<tr>
<th>Optional</th>
</tr>
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#### DS-D40C04-H LED Controll Card

<table>
<thead>
<tr>
<th>Optional</th>
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</table>

#### DS-D42C04-H LED Controll Card

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### Available Model

- **DS-D4209FI-MWF/A**
- **DS-D4209FI-MWF 600*337.5MM**

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**Distributed by**

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