DS-D42C08-H LED Display Controller

DS-D42C08-H LED Display Controller, used with LED full-color display screens, can achieve seamless stitching of the video wall in any dimensions. It is applicable to meeting rooms, studios, stadiums, airports, stations, banks, advertisements, family cinemas, etc.

- 8 Gigabit Ethernet output ports, with up to 4096 × 2160@60 Hz signal input
- DP1.2 input interface: Up to 4096 × 2160@60 Hz
- Dual HDMI2.0 input interface: 4096 × 2160@60 Hz (Up to 7680 × 1080@60 Hz supported)
- DVI input interface: Up to 3840 × 1080@60 Hz
- Automatic source search: Enabled by default.
- 3D synchronized signal input and output interface: 3D signal accessible, 3840 × 1080@60 Hz input and output for each card.
- Audio device access: Audio device accessible, with audio input and output interfaces.
- Light sensor extension: Realize light sensor adjustment with no need to add a multi-functional card.
- Dual-mode remote control expansion interfaces: Infrared and USB RF Wi-Fi expansion interfaces, remote control enabled.
- Competent with load capacity: 5 MP
- Cloud upgrade: Remote cloud online upgrade accessible.
- Strip display: Single line super long subtitle display with the content being left-justified, right-justified, centered, or scrolled.
- Remote control with the screen displaying remote control UI menu.
- Scene management: Scenes customizable and switchable.
- Multi-controller cascade display realizes better synchronization.
- 3480 Hz high refresh rate and nanosecond response time ensure smooth video pictures.
- Split-screen display: Enable customized content and slogans displayed on both sides.
- Automatic dehumidification to protect the lamp beads from damp, applicable for different areas with four degrees of dehumidification modes.
- Anti-Blue light screen with a certificate issued by TUV.
- 256 degrees of luminance adjustment through device button, PC client, and remote control.
- Signal switchable through device button, PC client, and remote control.
**Specification**

<table>
<thead>
<tr>
<th>Interface</th>
<th>Video &amp; Audio Input</th>
<th>2 × HDMI, 1 × DP, 1 × DVI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video &amp; Audio Output</td>
<td>1 × HDMI</td>
<td></td>
</tr>
<tr>
<td>Network Interface</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Control Interface</td>
<td>RJ45 × 1</td>
<td></td>
</tr>
</tbody>
</table>

**Processing Performance**

- **Max. Load Capacity**: 5 MP
- **Frame Frequency**: 50/60 Hz
- **Refresh Rate**: 3840 Hz
- **Processing Depth**: 8 bit
- **Grey Level**: 16 bit
- **Display Color**: 281 trillion
- **Brightness Control**: 1 to 10 levels adjustable (gradual white balance)
- **Max. Resolution of Bar Display**: 5000 × 256 pixels

**Power**

- **Max. Consumption**: 40 W
- **Average Consumption**: 13.3 W
- **Input Voltage**: 100~240 VAC

**Working Environment**

- **Working Temperature**: 0 ℃ to 40 ℃ (32 ℉ to 104 ℉)
- **Working Humidity**: 10% to 80%
- **Storage Temperature**: -10 ℃ to 60 ℃ (14 ℉ to 140 ℉)
- **Storage Humidity**: 10% to 80%

**General**

- **Product Dimensions (W × H × D)**: 442 mm × 249.5 mm × 57 mm (17.40” × 9.82” × 2.24”)
- **Package Dimensions (W × H × D)**: 573 mm × 425 mm × 118 mm (22.56” × 16.73” × 4.65”)
- **Net Weight**: 3.51 kg (7.73 lb)
- **Gross Weight**: 4.58 kg (10.10 lb)
- **Packing List**: Warranty Card × 1, Quality Certificate × 1, Restrictive Substances Table × 1

**Available Model**

- DS-D42C08-H(海外标配), DS-D42C08-H(海外标配),

**Typical Application**
**Physical Interface**

<table>
<thead>
<tr>
<th>Interface</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>LAN</td>
<td>Network signal input</td>
<td>USB</td>
<td>USB interface</td>
</tr>
<tr>
<td>DP IN</td>
<td>DP digital signal input</td>
<td>HDMI IN1/IN2</td>
<td>HDMI1/HDMI2 digital signal input</td>
</tr>
<tr>
<td>DVI</td>
<td>DVI digital signal input</td>
<td>HDMI OUT</td>
<td>HDMI digital signal output</td>
</tr>
<tr>
<td>AUDIO IN/OUT</td>
<td>Audio input/output</td>
<td>IR IN</td>
<td>infrared signal input</td>
</tr>
<tr>
<td>LOCK (3D) IN/OUT</td>
<td>LOCK (3D) signal input/output</td>
<td>WAKE UP</td>
<td>External wakeup signal input</td>
</tr>
<tr>
<td>LIGHT SENSOR</td>
<td>Light sensor probe input</td>
<td>DATA</td>
<td>8 × network output</td>
</tr>
<tr>
<td>Power</td>
<td>110~220 VAC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
• Dimension