DS-D42C08-H LED Full-Color Display Controller

Features and Functions

- Eight Gigabit Ethernet output ports, each with 650 thousand pixels load at most
- Multi-controller cascade display, multicast control to realize synchronization
- Super long subtitle display, and left-justifying and right-justifying, centering and scroll display
- Automatic dehumidification to protect damp led, and four humidity modes suit the areas of different humidity
- Quick and convenient operation by remote client software
- Obtains IP address on random network segment to make sure no conflicts among IPs and network security

Superior Image Processing

- 16 bit depth of processing, low light and high grey to restore the colors of original images
- 3840 Hz high refresh rate, nanosecond response time, and smooth video pictures
- Automatic brightness and self-adaption to environmental lightness (with multi-function card)
- Image color temperature adjustment with standard, cold, warm colors selectable
- Highly reliable pixel-by-pixel screen correction to ensure the consistency between brightness and chromaticity
- Manual visual piece revision to dilute and smooth the gap
- Image enhancement adjustment to improve the visual display

Powerful System Functions

- DVI, DP, and HDMI signal sources available, and automatic signal source detection without changing the signal source manually
- HD signal input at up to 3840 x1080@60Hz and point-to-point output
- Supports signal input at any resolution (Up to 4 million pixels allowed), and zooms randomly in the output range
- Self-adaptive EDID, and automatic matching the best resolution
- Loop inputs and outputs signals to provide security for display signal

DS-D42C08-H LED Full-Color Display Controller can be used with the full-color display units to achieve the seamless jointing of the video wall in any dimensions. It is applicable to the meeting rooms, studio, gym, airport, bank, advertisement, family cinema, etc.

2 x 1080P resolution input/output
3840 Hz high visual refresh rate
High color domain coverage ratio
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-D42C08-H</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Interfaces</strong></td>
<td></td>
</tr>
<tr>
<td>Signal input</td>
<td>1-ch DVI, 1-ch HDMI, 1-ch DP</td>
</tr>
<tr>
<td>Signal output</td>
<td>8ch ports output, 1ch DVI output</td>
</tr>
<tr>
<td>Signal control</td>
<td>Network</td>
</tr>
<tr>
<td><strong>Processing Performance</strong></td>
<td></td>
</tr>
<tr>
<td>Max. resolution</td>
<td>3840 x 1080@60Hz or 1920 x 2160@60Hz</td>
</tr>
<tr>
<td>Frame frequency</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Refresh rate</td>
<td>3840 Hz</td>
</tr>
<tr>
<td>Processing depth</td>
<td>16 bits</td>
</tr>
<tr>
<td>Grey level</td>
<td>65535 bits</td>
</tr>
<tr>
<td>Color</td>
<td>281.4 trillion</td>
</tr>
<tr>
<td>Brightness control</td>
<td>Automatic/manual</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>482.6 x 250 x 44.5 mm (19 x 9.8 x 1.8 inch)</td>
</tr>
<tr>
<td>Power supply</td>
<td>100 to 240 VAC</td>
</tr>
<tr>
<td>Average power dissipation</td>
<td>≤ 20W</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-10 to 45 ºC (14 to 113 ºF)</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20 to 60 ºC (-4 to 140 ºF)</td>
</tr>
<tr>
<td>Working humidity</td>
<td>10 to 90%</td>
</tr>
<tr>
<td>Storage humidity</td>
<td>10 to 90%</td>
</tr>
</tbody>
</table>

*: All specifications mentioned above are subject to the actual product.
**Hardware interface picture**

**Front Panel**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
<th>Indicator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PWR</td>
<td>Power indicators</td>
<td>ACTIVE</td>
<td>Signal source status light (flickers when examine signal source, while slowly when no signal source)</td>
</tr>
<tr>
<td>INFO</td>
<td>Receiving card status indicator (Blinks quickly when receiving card is offline while blinks slowly when receiving card is online)</td>
<td>HDMI</td>
<td>Lights when signal source is switched to HDMI</td>
</tr>
<tr>
<td>DP</td>
<td>Lights when signal source is switched to DP</td>
<td>DVI</td>
<td>Lights when signal source is switched to DVI</td>
</tr>
<tr>
<td>Brightness Level</td>
<td>Brightness display, and device IP address display</td>
<td>- +</td>
<td>Brightness adjustment in normal mode. Switching test images in test mode.</td>
</tr>
<tr>
<td>Source</td>
<td>Short press to change signal button, long press to enter image test mode</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rear Panel**

<table>
<thead>
<tr>
<th>Interface</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RJ45</td>
<td>Network signal input</td>
</tr>
<tr>
<td>HDMI IN</td>
<td>HDMI digital signal input</td>
</tr>
<tr>
<td>DP IN</td>
<td>DP digital signal input</td>
</tr>
<tr>
<td>DVI IN</td>
<td>DVI digital signal input</td>
</tr>
<tr>
<td>DVI OUT</td>
<td>DVI digital signal loop output</td>
</tr>
<tr>
<td>OUT</td>
<td>One-to-four port</td>
</tr>
</tbody>
</table>
Typical Applications

Available Models

DS-D42C08-H

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