

## DS-D42C04-H LED Full-Color Display Controller



DS-D42C04-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.

- 1080P resolution input/output
- 3840 Hz high visual refresh rate
- High color domain coverage ratio

### Features and Functions

- Four 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 1920x1080@60Hz and point-to-point output
- Supports signal input at any resolution (e. g 2000x1000@60Hz), 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



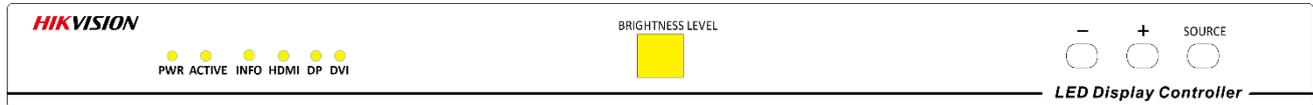
## Specifications

Model	DS-D42C04-H	
Interfaces	Signal input	1-ch DVI, 1-ch HDMI, 1-ch DP
	Signal output	4ch ports output, 1ch DVI output
	Signal control	Network
Processing Performance	Max. resolution	2048 x 1152@60Hz or 1920 x 1200@60Hz
	Frame frequency	60 Hz
	Refresh rate	3840 Hz
	Processing depth	16 bits
	Grey level	65535 bits
	Color	281.4 trillion
	Brightness control	Automatic/manual
General	Dimensions	482.6 x 250 x 44.5 mm (19 x 9.8 x 1.8 inch)
	Power supply	100 to 240 VAC
	Average power dissipation	≤ 20W
	Working temperature	-10 to 45 °C (14 to 113 °F)
	Storage temperature	-20 to 60 °C (-4 to 140 °F)
	Working humidity	10 to 90%
	Storage humidity	10 to 90%

\*: All specifications mentioned above are subject to the actual product.

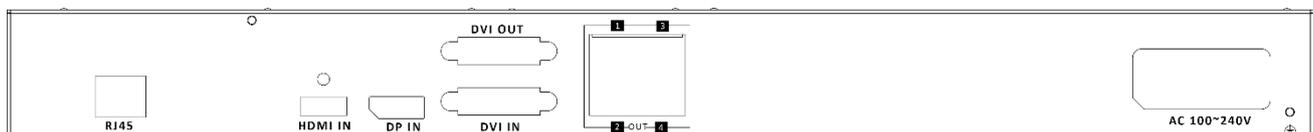
## Hardware interface picture

### Front Panel



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

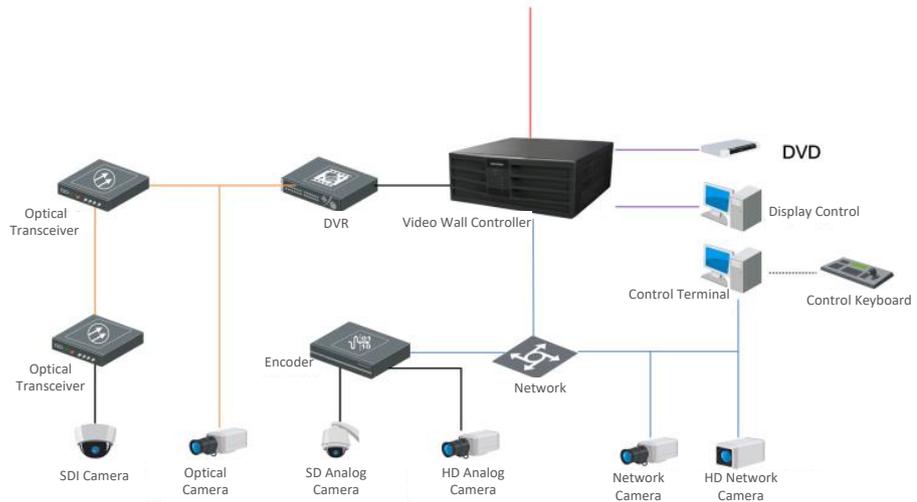
### Rear Panel



Interface	Description
<b>RJ45</b>	Network signal input
<b>HDMI IN</b>	HDMI digital signal input
<b>DP IN</b>	DP digital signal input
<b>DVI IN</b>	DVI digital signal input
<b>DVI OUT</b>	DVI digital signal loop output
<b>OUT</b>	One-to-four port

## Typical Applications

-  Optical Fiber
-  BNC
-  IP
-  VGA
-  DVI/HDMI
-  RS232



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