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
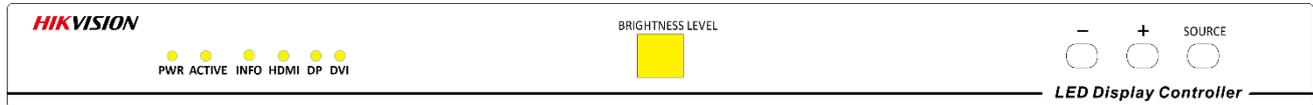- Loop inputs and outputs signals to provide security for display signal

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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 º C (14 to 113 º F)
	Storage temperature	-20 to 60 º C (-4 to 140 º 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
PWR	Power indicators	ACTIVE	Signal source status light (flickers when examine signal source, while slowly when no signal source)
INFO	Receiving card status indicator (Blinks quickly when receiving card is offline while blinks slowly when receiving card is online)	HDMI	Lights when signal source is switched to HDMI
DP	Lights when signal source is switched to DP	DVI	Lights when signal source is switched to DVI
Brightness Level	Brightness display, and device IP address display	- +	Brightness adjustment in normal mode. Switching test images in test mode.
Source	Short press to change signal button, long press to enter image test mode		

Rear Panel
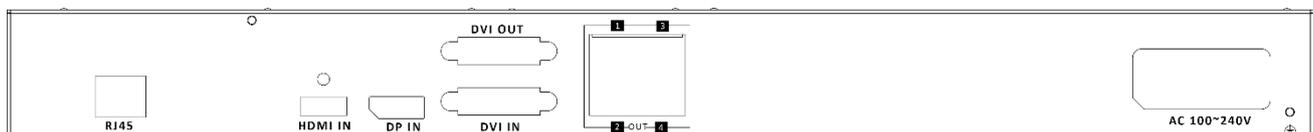
Interface	Description
RJ45	Network signal input
HDMI IN	HDMI digital signal input
DP IN	DP digital signal input
DVI IN	DVI digital signal input
DVI OUT	DVI digital signal loop output
OUT	One-to-four port

Typical Applications

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

Diagram components: Optical Transceiver, DVR, Video Wall Controller, DVD, Display Control, Control Terminal, Control Keyboard, Optical Transceiver, Encoder, Network, SDI Camera, Optical Camera, SD Analog Camera, HD Analog Camera, Network Camera, HD Network Camera
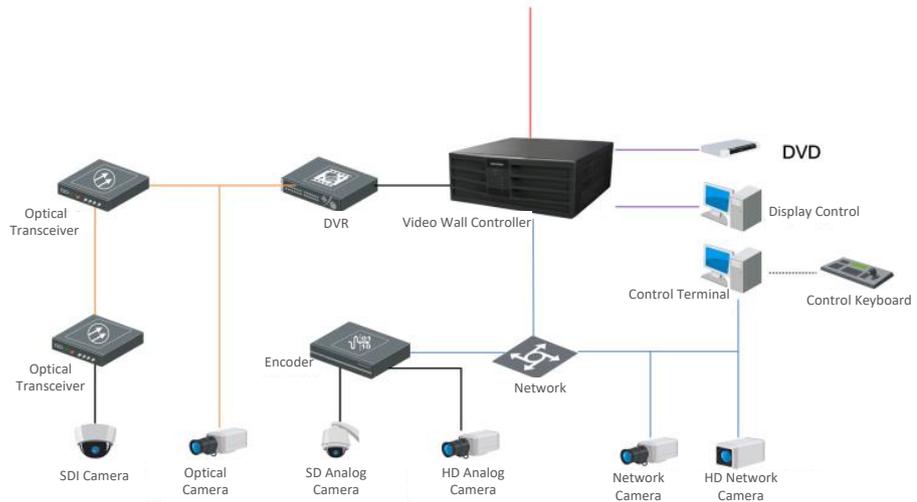
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