

DS-D42C16-H LED Display Controller



DS-D42C16-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.

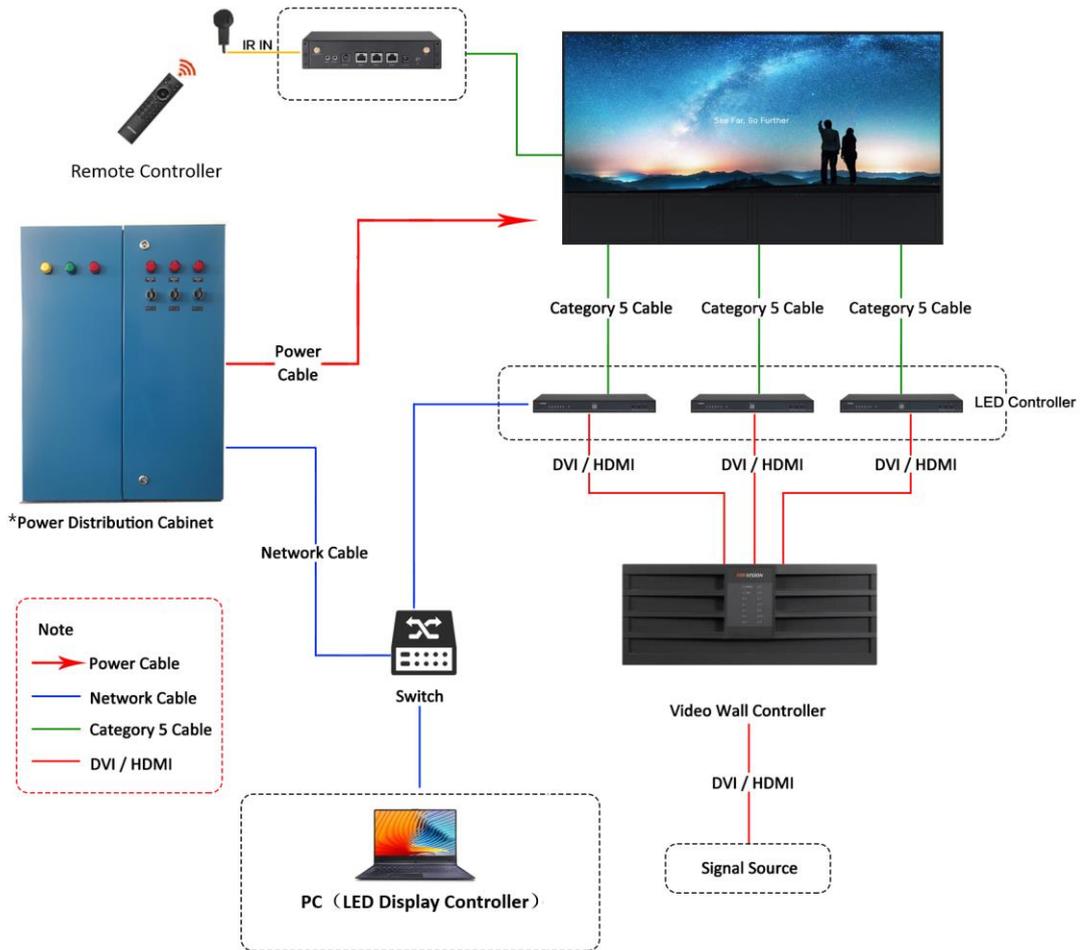
- 16 Gigabit Ethernet output ports, with up to 4096 × 2160@60 Hz signal input
- DP1.2 input interface: Up to 4096 × 2160@60 Hz
- Dual HDMI2.0 input interface: 4096 × 2160@60 Hz (Up to 7680 × 1080@60 Hz supported)
- DVI input interface: Up to 3840 × 1080@60 Hz
- Automatic source search: Enabled by default.
- 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: 10 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.
- 3840 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.



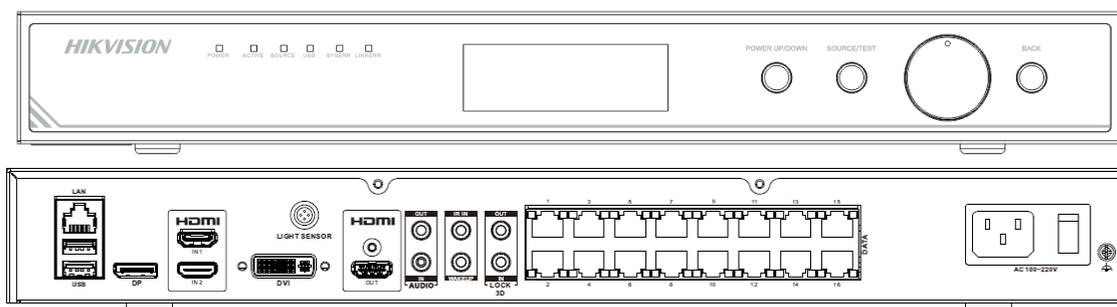
▪ Specification

Model		DS-D42C16-H
Interface	Video & Audio Input	2 × HDMI, 1 × DP, 1 × DVI
	Video & Audio Output	1 × HDMI
	Network Interface	16
	Control Interface	RJ45 × 1
Processing Performance	Max. Load Capacity	10 MP
	Frame Frequency	50/60 Hz
	Refresh Rate	60 Hz
	Processing Depth	8 bit
	Grey Level	16 bit
	Display Color	281 trillion
	Brightness Control	1 to 10 levels adjustable (gradual white balance)
Power	Max. Resolution of Bar Display	5000 × 256 pixels
	Max. Consumption	40 W
	Average Consumption	13.3 W
	Input Voltage	100~240 VAC
Working Environment	Working Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Working Humidity	10% to 80%
	Storage Temperature	-10 °C to 60 °C (14 °F to 140 °F)
	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

▪ Typical Application

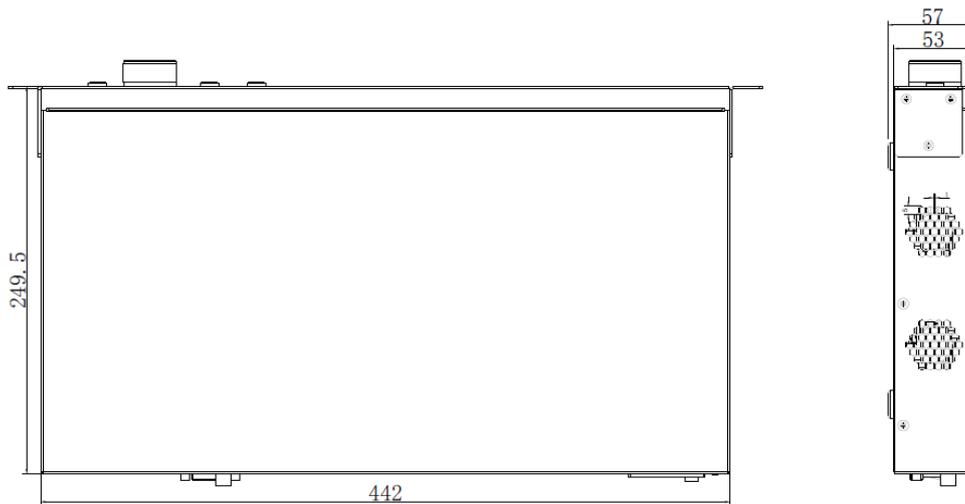


Physical Interface



Interface	Description	Interface	Description
LAN	Network signal input	USB	USB interface
DP IN	DP digital signal input	HDMI IN1/IN2	HDMI1/HDMI2 digital signal input
DVI	DVI digital signal input	HDMI OUT	HDMI digital signal output
AUDIO IN/OUT	Audio input/output	IR IN	infrared signal input
LOCK (3D) IN/OUT	LOCK (3D) signal input/output	WAKE UP	External wakeup signal input
LIGHT SENSOR	Light sensor probe input	DATA	16 × network output
Power	110~220 VAC		

▪ Dimension



▪ Available Model

DS-D42C16-H

Distributed by



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