

DS-D42V24-H LED Display Controller



DS-D42V24-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.

▪ Multiple Signal Interfaces

6 channels of video signal input (2 × HDMI 2.0 and 4 × DVI), 6 channels of video signal output (2 × HDMI 2.0 and 4 × DVI); 1 channel of HDMI 1.4 output for pre-monitoring; 1 channel of 3D signal synchronization output for 3D display.

▪ Ultra-large Load Capacity

24 channels of network interface with the resolution of up to 13.27 MP.

▪ HDR Output

Provides more lively and colorful image with high quality and clear details.

▪ Multi-windows Display

Free layout of 9 windows with 6 signal input windows and 3 picture/text windows; free switching, cutting, stitching, and zooming in/out.

▪ Output Signal Pre-monitoring

Sends the output signal to your monitor through the HDMI interface.

▪ Self-stitching Display

Larger scale stitching display achievable through self-stitching of multiple controllers (a cascade of up to 4 controllers allowed), ensuring the synchronization within different controllers.

▪ Scenes Configurable

Up to 10 scenes can be configured and saved as templates for convenience.

▪ EDID Settings Customizable

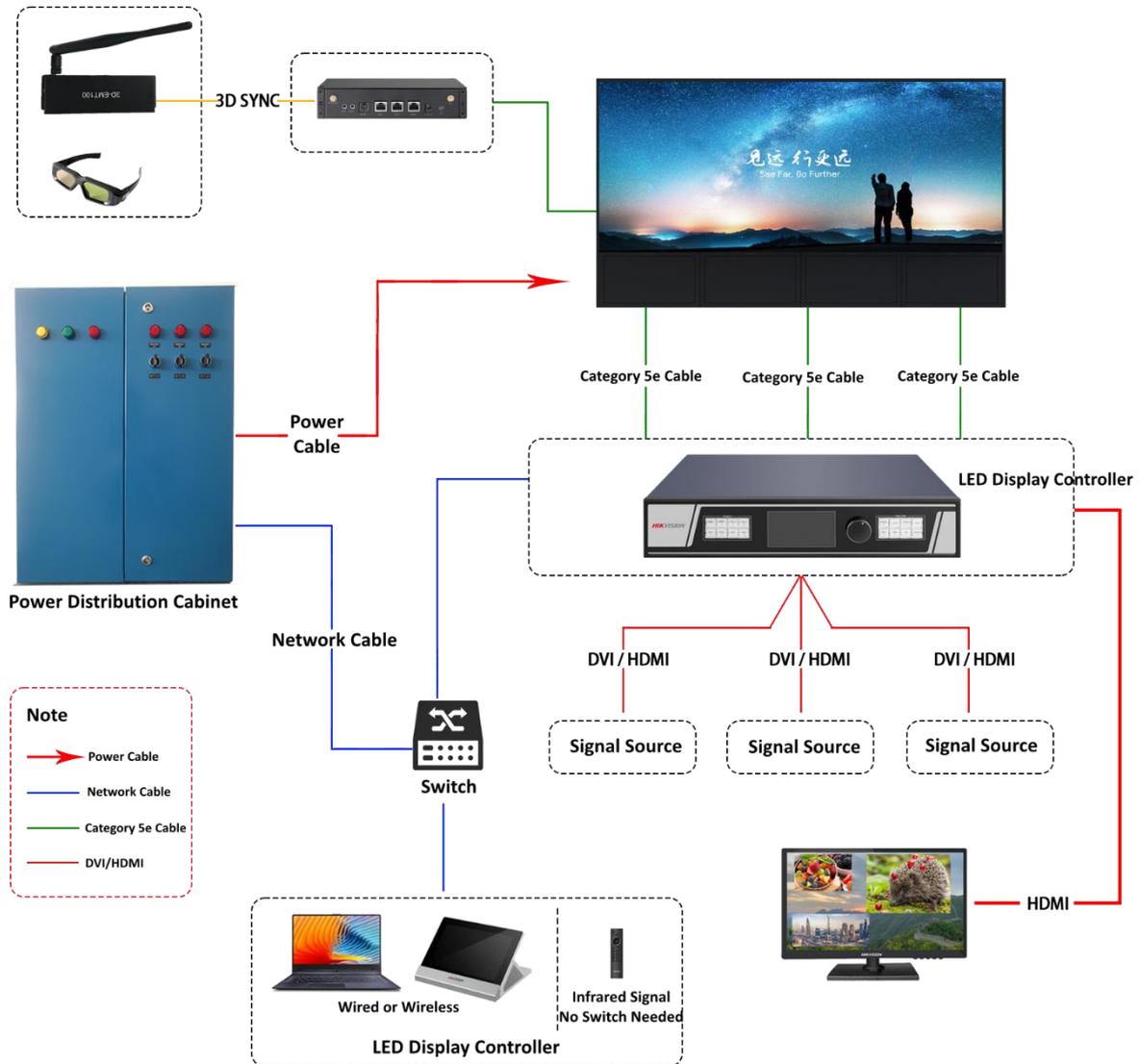
HDCP 2.2 protocol for high-bandwidth digital content protection.



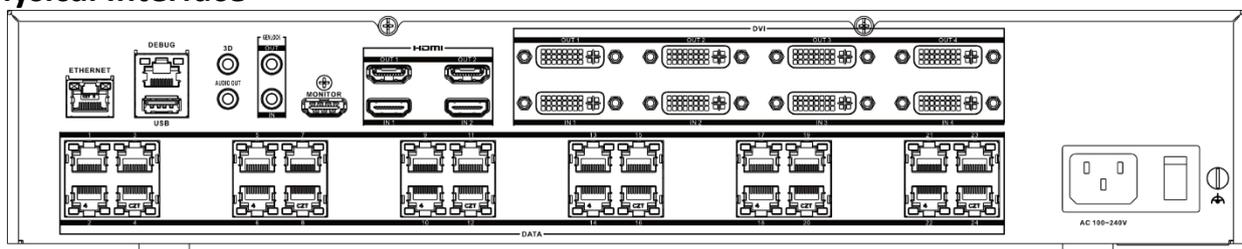
▪ Specification

Model		DS-D42V24-H
Product Model	Product Model	DS-D42V24-H
Product Type	Product Type	LED Display Controller
Interface	Video & Audio Input	2 × HDMI interface, Max. resolution: 4096 × 2160@60 Hz 4 × DVI interface, Max. resolution: 1920 × 1200@60 Hz
	Video & Audio Output	1 × HDMI interface for pre-monitoring, Max. resolution: 1920 × 1080@60 Hz 2 × HDMI interface, Max. resolution: 4096 × 2160@60 Hz 4 × DVI interface, Max. resolution: 1920 × 1200@60 Hz 24 × network interface
	Control Interface	RJ45 10/100/1000M self-adaptive
Processing Performance	Max. Load Capacity	13.27 MP
	Brightness Control	1 to 100 levels adjustable (gradual white balance)
	Frame Frequency	60 Hz
	Grey Level	16 bit
	Max. Resolution of Bar Display	5000 × 256 pixels
	Display Color	2 [^] 16 × 2 [^] 16 × 2 [^] 16
	Processing Depth	8 bit, 10 bit
Power	Max. Consumption	72 W
	Average Consumption	24 W
	Input Voltage	100 to 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 × 338.5 mm × 92 mm
	Package Dimensions (W × H × D)	572 mm × 396 mm × 163 mm
	Net Weight	5.25 kg (11.57 lb.)
	Gross Weight	7.25 kg (15.98 lb.)
	Packing List	Quick start guide × 1, remote control × 1, power cable × 1

▪ Typical Application



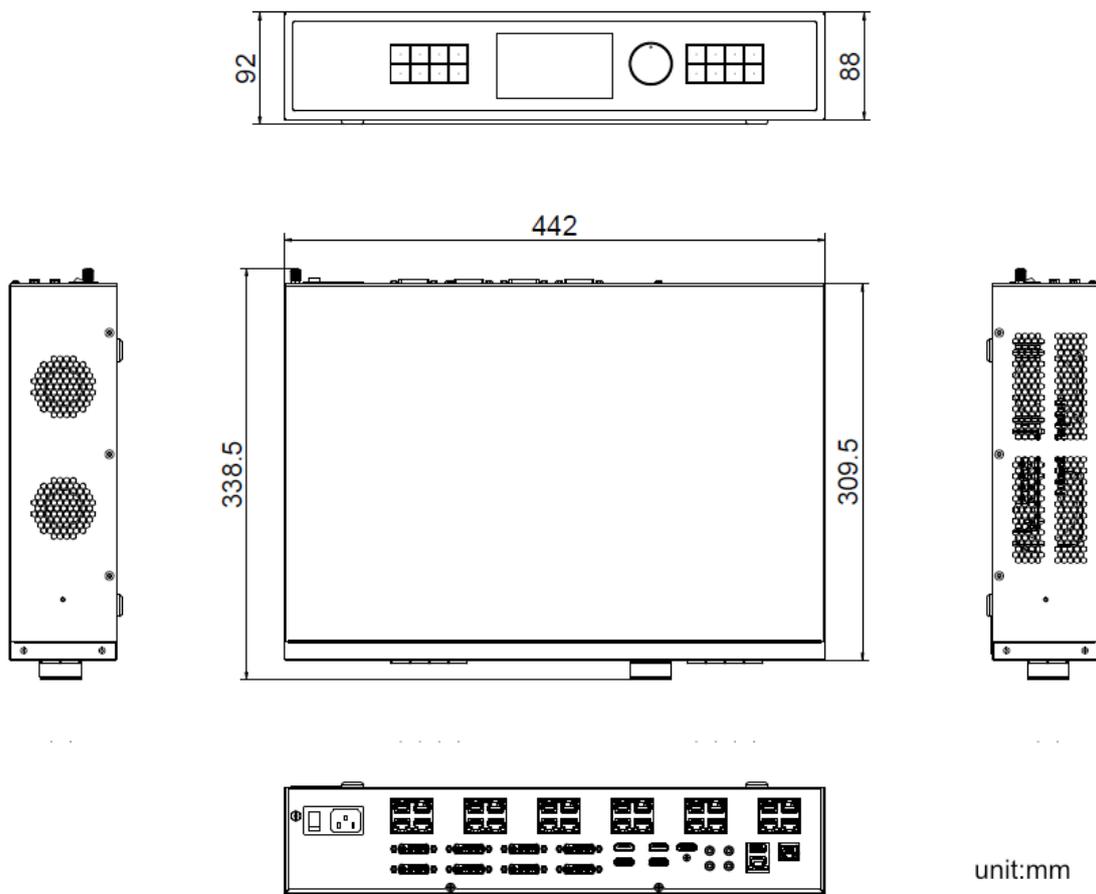
▪ Physical Interface



Interface	Description	Interface	Description
ETHERNET	Network input interface	DEBUG	Debugging serial port
USB	USB 2.0 interface	3D	3D input interface
AUDIO OUT	Audio output interface	GENLOCK OUT	Sync. output interface
GENLOCK IN	Sync. input interface	MONITOR	HDMI output interface for pre-monitoring

HDMI OUT1/2	HDMI digital signal output interface 1/2	HDMI IN1/2	HDMI digital signal input 1/2
DVI OUT1/2/3/4	DVI digital signal output interface 1/2/3/4	DVI IN1/2/3/4	DVI digital signal input 1/2/3/4
DATA OUT 1~24	Network output interface 1~24	AC 100~240 V	240 VAC input interface

▪Dimension



▪ Available Model

DS-D42V24-H

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