

DS-D42C20-H LED Display Controller



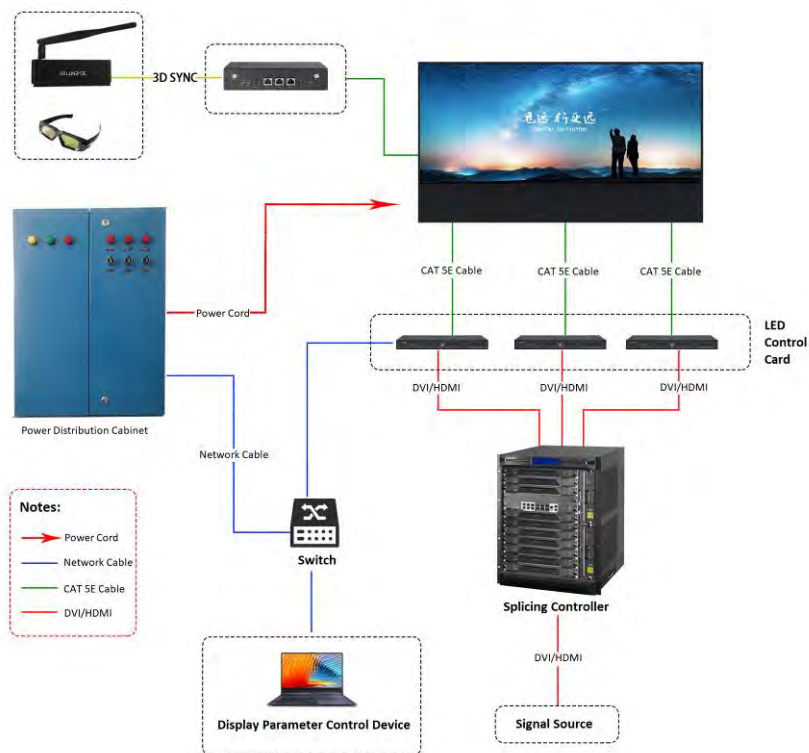
DS-D42C20-H LED Display Controller, used with LED full-color display screens, supports seamless splicing of the screens in any dimension. It is applicable to meeting rooms, studios, stadiums, airports, stations, banks, advertisements, family cinemas, etc.

- 20-ch gigabit Ethernet output ports, up to $4096 \times 2160@60$ Hz signal source access. 1-ch HDMI 2.0 output, and 1-ch HDMI 1.4 live view output.
- 2-ch HDMI 2.0 input interfaces: Supports $4096 \times 2160@60$ Hz, up to $7680 \times 1080@60$ Hz.
- Automatic signal source search: Enables automatic signal source search by default.
- 3D synchronized signal input and output interface: The sending card can process 3D signals, and the single card supports $3840 \times 1080p@120$ Hz input and output.
- Audio device access: The sending card, with audio input and output interfaces, supports audio device access.
- Light sensor expansion: The sending card has a light sensor expansion interface, and the light sensor adjustment function can be enabled without adding a multi-functional card.
- Dual-mode remote control expansion interfaces: Equipped with infrared and USB RF Wi-Fi expansion interfaces. The dual-mode supports remote control.
- Large load capability: 10 MP.
- Cloud upgrade: The system program supports remote upgrade on cloud.
- Supports remote control, with the screen displaying remote control UI menu.
- Scene management: You can customize and switch scenes out of various options.
- Multi-controller auto splicing and cascade display for synchronization.
- High refresh rate of 3840 Hz, nanosecond response time, and smooth video images.

▪ Specification

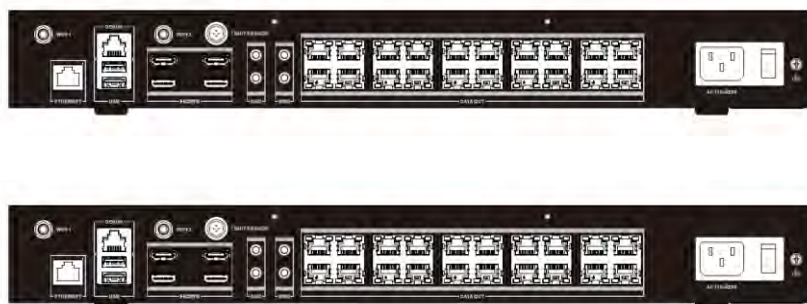
Model		DS-D42C20-H
Product Model	Product Model	DS-D42C20-H
Product Type	Product Type	LED Control Card
Interface	Video & Audio Input	2 × HDMI
	Video & Audio Output	1 × HDMI output, 20 × network interface, 1 × HDMI live view interface.
	Control Interface	RJ45
Processing Performance	Max. Load Capacity	10 MP
	Brightness Control	1 to 100 levels adjustable (gradual white balance)
	Frame Frequency	60 Hz
	Grey Level	16 bits
	Max. Resolution of Bar Display	24,000 × 256 pixels
	Display Color	2 ¹⁶ × 2 ¹⁶ × 2 ¹⁶
Power	Processing Depth	8/10 bits
	Max. Consumption	33 W
	Average Consumption	30 W
Working Environment	Input Voltage	100 to 240 VAC
	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)
General	Storage Humidity	10% to 80%
	Product Dimensions (W × H × D)	442 mm × 249.5 mm × 57 mm (17.4" × 9.8" × 2.2")
	Net Weight	4.25 kg (9.4 lb)
	Package Dimensions (W × H × D)	576 mm × 428 mm × 121 mm (22.6" × 16.7" × 4.6")
	Gross Weight	5.36 kg (11.8 lb)
	Packing List	Network cable (1.5 m) × 1, hanger accessory box × 1, desiccant × 1, VC Power Cord (1.2 m) × 1, multilingual quick start guide × 1

▪ Typical Application



▪ Physical Interface

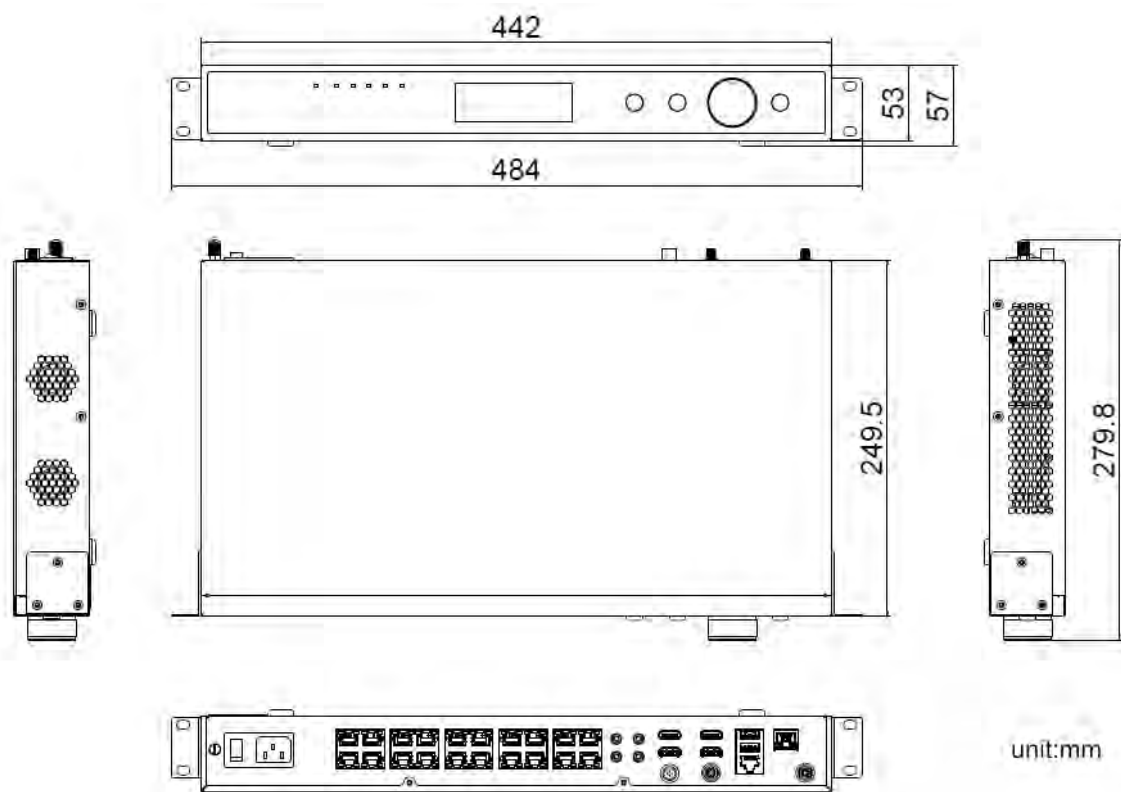
Interface	Description	Interface	Description
LIGHTSENSOR	Light sensor	DEBUG	Debug interface
ETHERNET	Network interface	Upper USB	USB 2.0 interface
Lower USB	USB 2.0 interface	HDMI IN 1/2	HDMI digital signal input 1/2
HDMI OUT	HDMI digital signal output	MONITOR	HDMI live view output interface
AUDIO OUT	Audio output interface	AUDIO IN	Audio input interface
3D	3D input interface	IR IN	Infrared input interface
DATA OUT1~20	Network interface output 1 to 20	AC 100~240 V	AC power input interface



▪ Available Model

DS-D42C20-H

▪ **Dimension**



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