The DS-D42V06-N is all-in-one controller that integrates video processing and video control into one box. It features 6 Ethernet ports and supports video controller, fiber converter and Bypass working modes. A DS-D42V06-N unit can drive up to 3.9 million pixels, with the maximum output width and height up to 10,240 pixels and 8192 pixels respectively, which is ideal for ultra-wide and ultra-high LED screens

- Thanks to the self-adaptive design, OPT 1 can be used as either an input or output connector, depending on its connected device
- Reduce the delay from the input to receiving card to 20 lines when the low latency function and Bypass mode are both enabled
- An internal input source or external Genlock can be used as the sync source to ensure the output images of all cascaded units in sync
- The mosaic source is composed of two sources (2K×1K@60Hz) accessed to the OPT 1

- Work with software to support brightness and chroma calibration on each LED, effectively removing color discrepancies and greatly improving LED display brightness and chroma consistency, allowing for better image quality
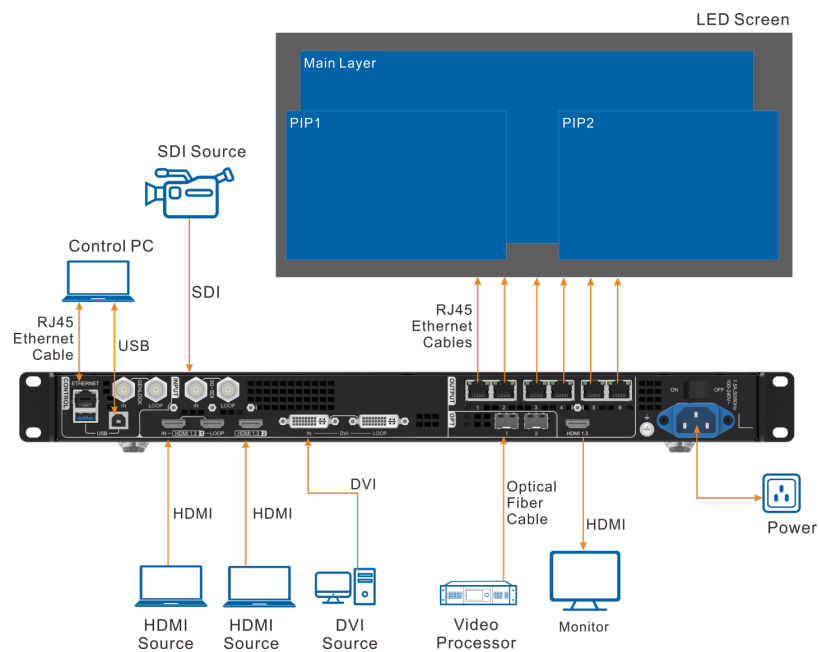- Up to 4 units cascaded for image mosaic

▪ Specification

Model		DS-D42V06-N
Processing Performance	Brightness Control	1-100 Levels
	Frame Frequency	25HZ-60HZ
	Grey Level	256
	Display Color	1 Billion
	Processing Depth	8bit
	Image Scaling	Support
Product Model	Product Model	DS-D42V06-N
Chassis	Chassis Height	1.12U
	Chassis Width	351.2mm
Product Type	Product Type	LED Controller
LED Controller Power	Average Consumption	≤28W
	Number of power interfaces	1
	Power interface specifications	100-240V~，1.6A，50/60Hz
General	Working Temperature	-10°C ～ 45°C
	Storage Humidity	10% ～ 95%
	Working Humidity	20% ～ 90%
	Storage Temperature	-20°C ～ 70°C
	Packaging Size (W × H × D)	565.0mm×175.0mm×450.0mm
	Net Weight	4kg
	Gross Weight	6.8kg
	Dimensions (W × H × D)	483.6mm×351.2mm×50.1mm
	Packing List	DS-D42V06-N*1,Power Cable *4,Ethernet Cable *1,HDMI Cable *1,HDMI TO DVI Cable *1,USB Cable*1
Audio Input	Audio Input Interface(s)	1
	Audio Input Interface Type	HDMI inline

Video Input	Video Input Interface(s)	4
	Video Input Interface Type	2 HDMI1.3+1 3G-SDI+1 DVI
	Max. Input Resolution	1080P
	Video Input Resolution	HDMI1.3 interface Supports 1920 x 1200@60Hz Video source input. Supports HDCP1.4. Not supporting interlaced signal input. Support custom resolution. Custom maximum width: 3840 (3840 x) 648@60Hz ） Custom maximum height: 2784 (800 x 2784@60Hz ） Support front-end device push input: 600 x 3840@60Hz HDMI 1.3-1 supports LOOP loop output. SDI interface Supports ST-424 (3G), ST-292 (HD), and ST-259 (SD) standard video source inputs. Single channel support 1920 x 1080@60Hz Video source input. Support de interlacing processing. Input resolution and bit depth settings are not supported. Supports 3G-SDI Loop output. DVI interface Supports 1920 x 1200@60Hz Video source input. Supports HDCP1.4. Interlaced signal input is not supported. Support custom resolution. Custom maximum width: 3840 (3840 x) 648@60Hz ） Custom maximum height: 2784 (800 x 2784@60Hz ） Support front-end device push input: 600 x 3840@60Hz DVI supports LOOP loop output.
	Video Input Processing Characteristics	Processing depth 8 Sampling format RGB:444 YUV:4:4:4 YUV:422
Video Output	Max. Output Resolution	3.9 Million
	Loading Capacity for Video Output to LED	Single port with load 650000 Width 380~10240 Height 476~8192
	LED Loading Interfaces	6
	LED Loading Interface Type	RJ45

	Number of video ring pass output interfaces	2
	Video looping output interface type	HDMI 1.3+DVI
	Video looping output resolution	1920×1200@60Hz
Audio Output	Audio Output Interface(s)	NA
	Audio Output Interface Type	NA
Front Panel	Screen	LCD screen
	Key	"knob": Select menus, adjust parameters, and confirm operations. ""ESC"": Exit the menu or cancel the operation. ""MAIN/PIP 1/PIP 2"": Layer on, off, and layer state display. ""SCALE"": Full screen auto zoom shortcut key, adaptively fills the window with the lowest priority to full screen. ""PRESET"": Enter the scene settings menu. ""TEST"": Enter the test screen settings menu. ""FREEZE"": Freeze the output screen. ""FN"": Customizable function shortcut key. ""HDMI1/HDMI2/DVI/SDI"" Input source status display, supporting one click switching of the main window input source.
	pilot lamp	"MAIN/PIP 1/PIP 2": Long blue light: The layer is turned on. Blue flashing: The layer is currently being edited. Long white light: The layer is not turned on. ""SCALE"":Long blue light: Full screen automatic scaling is enabled. Long white light: Full screen auto zoom is not enabled. ""HDMI1/HDMI2/DVI/SDI"": Long blue light: There is an input source connected. Blue flashing: No input source connected, already used by the layer. Long white light: No input source connected or input source abnormal.
Control Interface	Control network port	"1 RJ45, 10M/100M/1000M adaptive Ethernet ports Connect and control the computer or router."
	3D interface	NA
	IR input	NA
	Serial Interface	1, 1 debug serial port (RJ45)

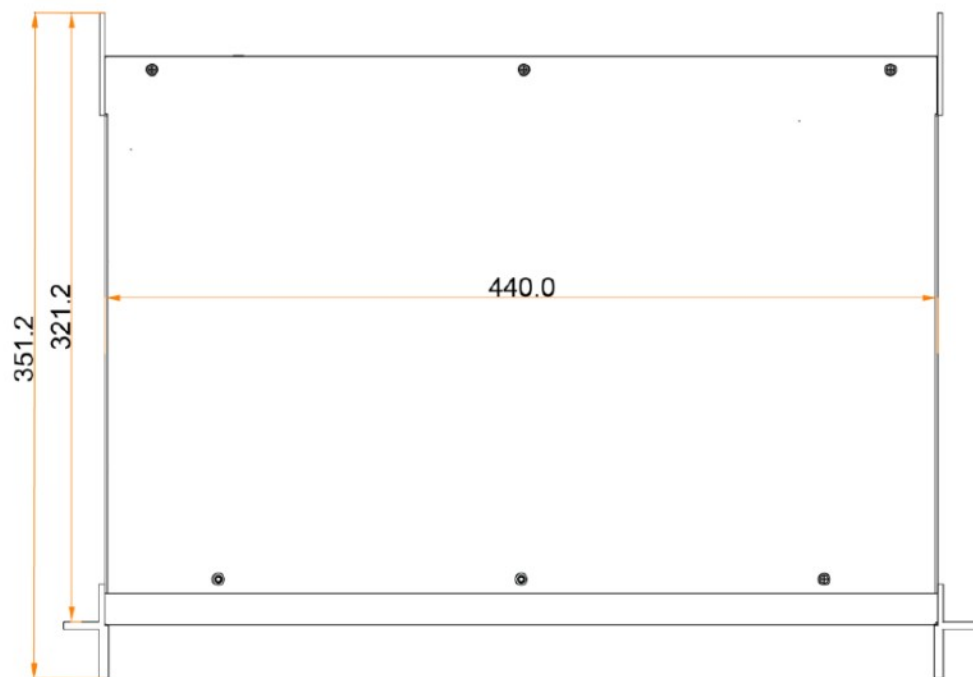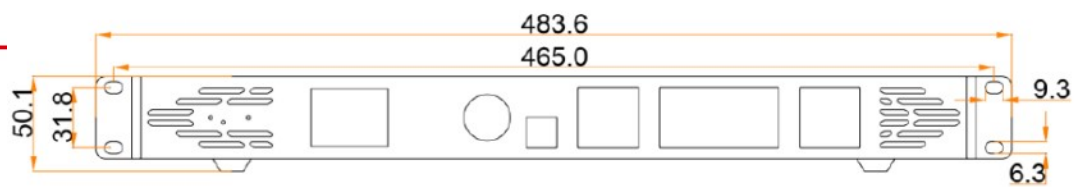|		
Light perception	LIGHT SENSOR：Connect the optical probe to obtain ambient brightness, which can achieve automatic adjustment of screen brightness.	
USB	2 x USB 2.0	
On-off	Switch	

▪ Typical Application

▪ Available Model

DS-D42V06-N

DS-D42V06-N(V2)

▪ Dimension

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