

DS-D42V04-N
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The DS-D42V04-N is a professional LED display controller developed. Besides the function of display control, it also features powerful image processing capabilities. With excellent image quality and flexible image control, the DS-D42V04-N greatly meets the needs of the media industry.

- 4x Gigabit Ethernet outputs, capable of loading up to 2,300,000 pixels
- White balance calibration and color gamut mapping based on different features of LEDs used by screens, to ensure the reproduction of true colors
- New engine adopted, enabling exquisite image display with a good sense of depth, without flickering and scanning lines
- Adjustable PIP position and size, free control at will
- Seamless high-speed switching and fade effect supported, to present professional-quality images
- New-generation pixel level calibration technology adopted, ensuring a fast and efficient calibration process
- Independent external audio output supported
- High bit-depth video input: 10-bit and 8-bit

▪ Specification

Model		DS-D42V04-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-D42V04-N
Chassis	Chassis Height	1.12 U
	Chassis Width	301.2mm
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	0°C~ +45°C
	Storage Humidity	10%~95%
	Working Humidity	20% ~ 90%
	Storage Temperature	-20°C~ +70°C
	Packaging Size (W × H × D)	550.0mm×175.0mm×400.0mm
	Net Weight	4KG
	Gross Weight	6.8kg
	Dimensions (W × H × D)	483.6mm×301.2mm×50.1mm
	Packing List	1×DS-D42V04-N,1×Power Cable, 1×USB Cable, 1×HDMItoDVI Cable, 1×HDMI Cable,1×Ethernet Cable
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	2K
	Video Input Resolution	<p>HDMI1.3 interface</p> <p>Supports 1920 x 1200@60Hz Video source input.</p> <p>Supports HDCP1.4. Not supporting interlaced signal input.</p> <p>Support custom resolution.</p> <p>Custom maximum width: 3840 (3840 x) 648@60Hz)</p> <p>Custom maximum height: 2784 (800 x 2784@60Hz)</p> <p>Support front-end device push input: 600 x 3840@60Hz</p> <p>HDMI 1.3-1 supports LOOP loop output.</p> <p>SDI interface</p> <p>Supports ST-424 (3G), ST-292 (HD), and ST-259 (SD) standard video source inputs.</p> <p>Single channel support 1920 x 1080@60Hz Video source input.</p> <p>Support de interlacing processing.</p> <p>Input resolution and bit depth settings are not supported.</p> <p>Supports 3G-SDI Loop output.</p> <p>DVI interface</p> <p>Supports 1920 x 1200@60Hz Video source input.</p> <p>Supports HDCP1.4.</p> <p>Interlaced signal input is not supported.</p> <p>Support custom resolution.</p> <p>Custom maximum width: 3840 (3840 x) 648@60Hz)</p> <p>Custom maximum height: 2784 (800 x 2784@60Hz)</p> <p>Support front-end device push input: 600 x 3840@60Hz</p> <p>DVI supports LOOP loop output.</p>
Video Input Processing Characteristics	<p>Processing depth 8</p> <p>Sampling format:</p> <p>RGB:444</p> <p>YUV:4:4:4</p> <p>YUV:422</p>	
Video Output	Max. Output Resolution	2.6 Million
	Loading Capacity for Video Output to LED	<p>Single port with load 650000</p> <p>Width 253~10240</p> <p>Height 317~8192</p>
	LED Loading Interfaces	4
	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	<p>""knob"": Select menus, adjust parameters, and confirm operations.</p> <p>""ESC"": Exit the menu or cancel the operation.</p> <p>""MAIN/PIP 1/PIP 2"": Layer on, off, and layer state display.</p> <p>""SCALE"": Full screen auto zoom shortcut key, adaptively fills the window with the lowest priority to full screen.</p> <p>""PRESET"": Enter the scene settings menu.</p> <p>""TEST"": Enter the test screen settings menu.</p> <p>""FREEZE"": Freeze the output screen.</p> <p>""FN"": Customizable function shortcut key.</p> <p>""HDMI1/HDMI2/DVI/SDI"": Input source status display, supporting one click switching of the main window input source.</p>
	pilot lamp	<p>""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.</p> <p>""SCALE"": Long blue light: Full screen automatic scaling is enabled. Long white light: Full screen auto zoom is not enabled.</p> <p>""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.</p>
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)

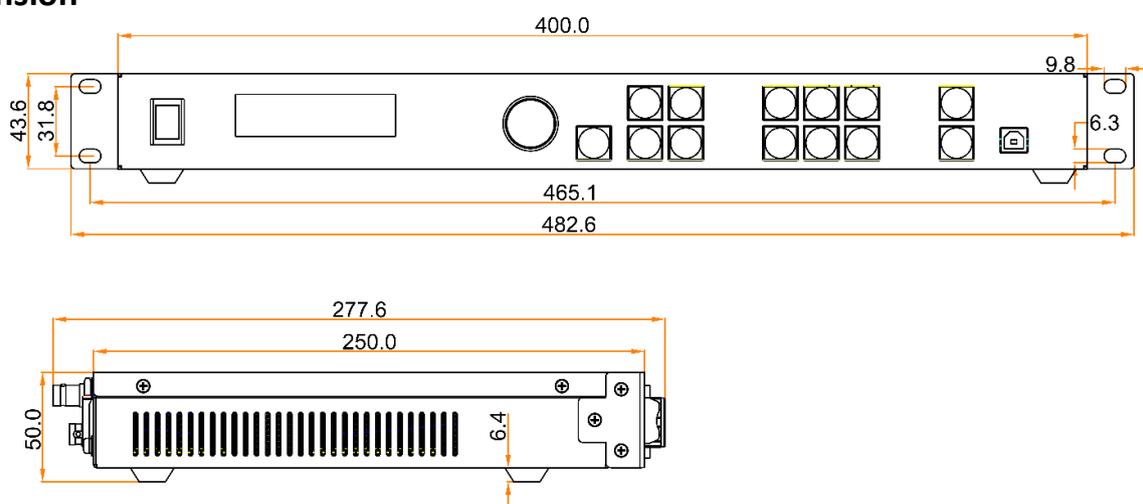
Light perception	LIGHT SENSOR: Connect the optical probe to obtain ambient brightness, which can achieve automatic adjustment of screen brightness.
USB	2 x USB 2.0
On-off	Switch

▪ **Available Model**

DS-D42V04-N

DS-D42V04-N(V2)

▪ **Dimension**



Headquarters

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
www.hikvision.com



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