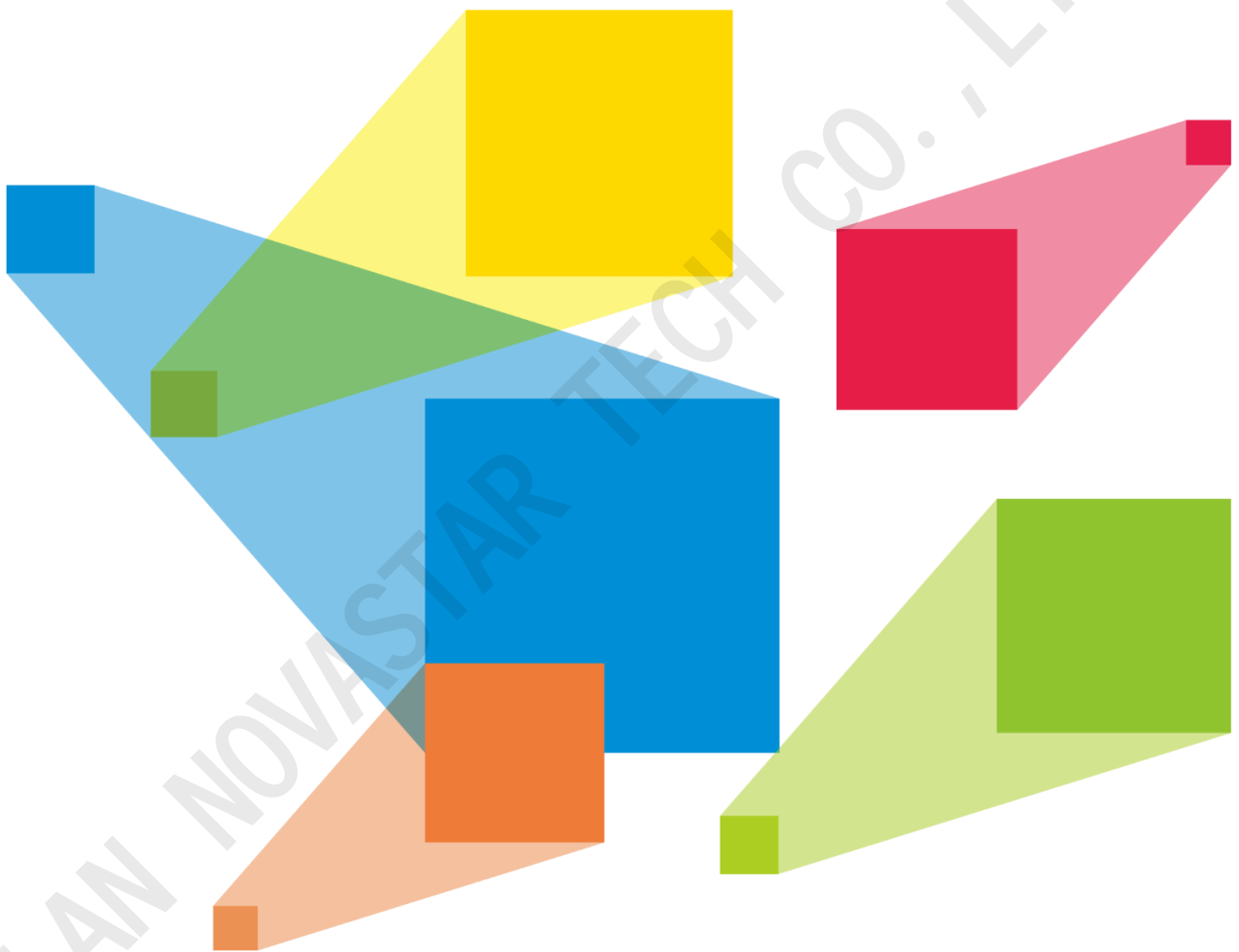


VC2

All-in-One Controller



Specifications

Introduction

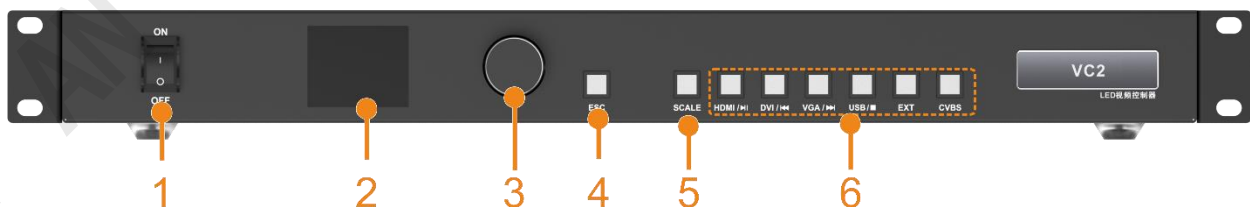
The VC2 all-in-one controller is a pure hardware device that is easy to operate. It features different types of high-definition input connectors, and integrates professional LED screen control technologies and video processing capabilities, making on-site installations effortless. Designed with an industrial-grade casing, the VC2 is well suited for complex operational environments and can be widely used in applications such as malls, hotels, exhibition sites and TV studios.

Features

- Up to five input connectors: 1x DVI, 1x HDMI 1.3, 1x VGA, 1x USB, 1x CVBS
- Adjustable layer position and size, and input cropping supported
- Press input source buttons to easily switch between the input sources.
- External independent audio
- EDID management supported
Supports custom EDID and standard EDID.
- Personalized image scaling: Full screen, pixel to pixel and custom
- Quick configuration to easily configure the LED screen
- 2x Ethernet output connectors with a loading capacity of up to 1.3 million pixels
- Easy preset saving and loading
Up to 6 user-defined presets
- LED screen color adjustment, such as brightness and Gamma
- Controlled via central control devices

Appearance

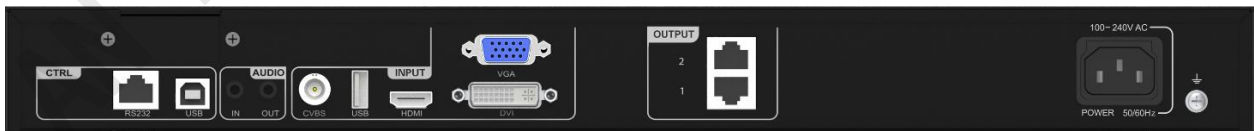
Front Panel



NO.	Area	Function
1	Power button	Power on or power off the device.
2	LCD screen	Display the current device status and settings menu.

NO.	Area	Function
3	Knob	<ul style="list-style-type: none"> • Rotate the knob to select a menu item or adjust the parameter value. • Press the knob to confirm the setting or operation.
4	ESC button	Exit the current menu or cancel an operation.
5	SCALE	A shortcut button for the full screen function. Press the button to make the layer of the lowest priority fill the entire screen.
6	Input source buttons	<p>Description for input source buttons:</p> <ul style="list-style-type: none"> • HDMI: HDMI input source button When you play the media files saved in the USB drive, this button is used to pause or play the files. • DVI: DVI input source button When you play the media files saved in the USB drive, this button is used to play the previous file. • VGA: VGA input source button When you play the media files saved in the USB drive, this button is used to play the next file. • USB: Reserved button • EXT: Reserved button • CVBS: CVBS input source button <p>Status LEDs</p> <ul style="list-style-type: none"> • On: An input signal is accessed and used. • Flashing: The input connector is used, but no input signal is accessed. • Off: The input signal is not used.

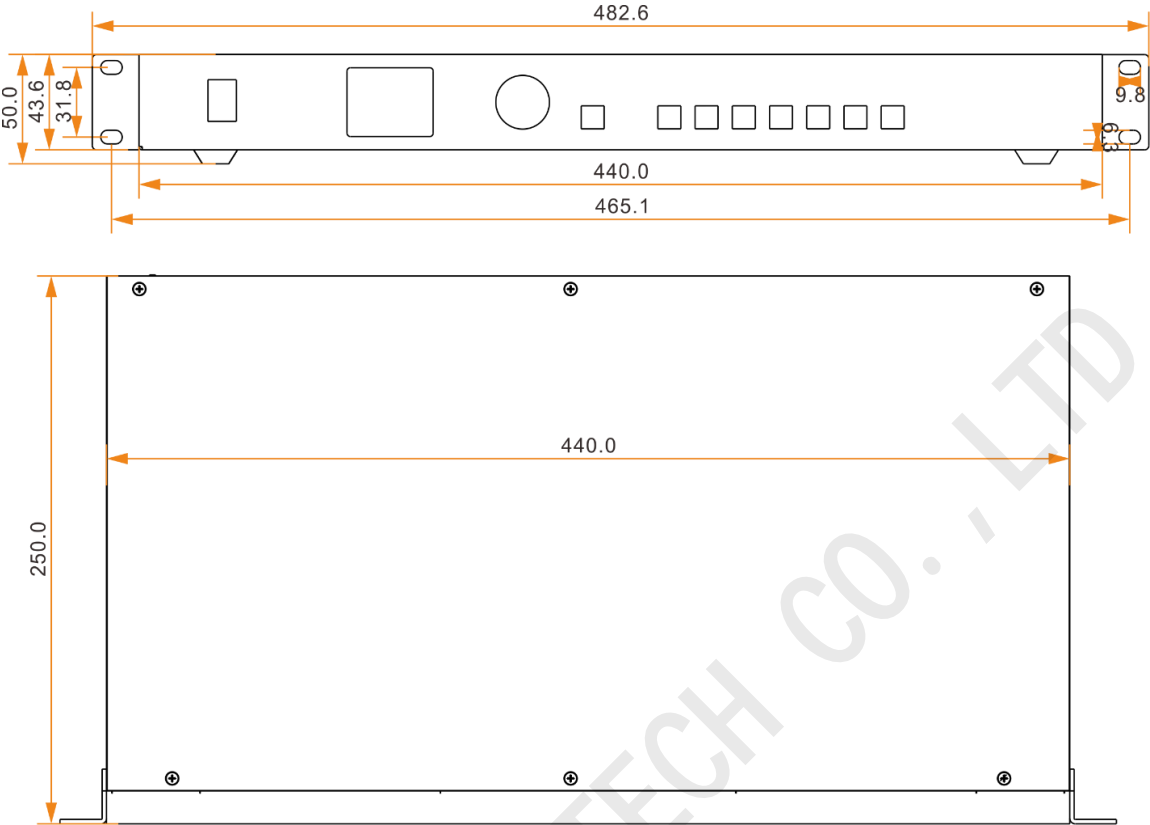
Rear Panel



Input Connectors		
Connector	Qty	Description
DVI-D	1	<ul style="list-style-type: none"> • VESA standard video inputs with the maximum resolution of 1920×1080@60Hz, downward compatible • HDCP 1.4 compliant

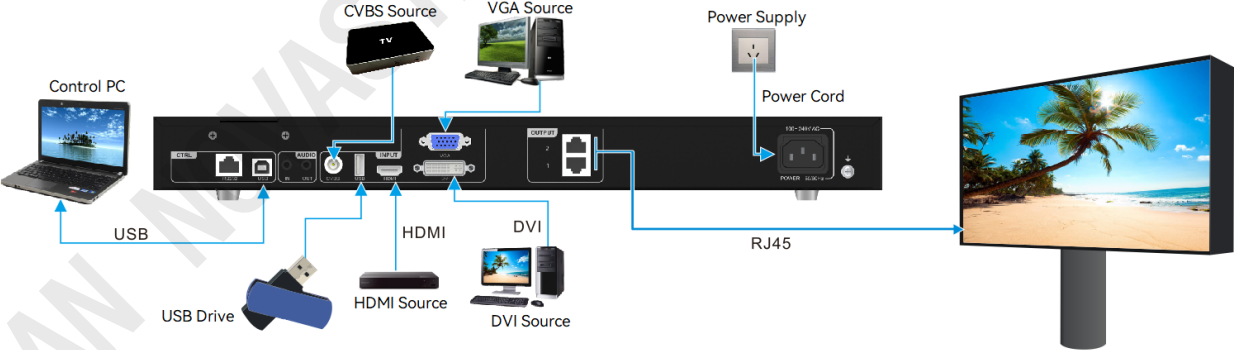
		<ul style="list-style-type: none"> • Interlaced signal inputs supported
HDMI	1	<ul style="list-style-type: none"> • HDMI 1.3 standard • Input resolution up to 1920×1080@60Hz, downward compatible • HDCP 1.4 compliant • Interlaced signal inputs supported
VGA	1	Input resolution up to 1920x1080@60Hz, downward compatible
CVBS	1	PAL/NTSC standard video inputs
USB (Type A)	1	<p>1x USB 2.0</p> <ul style="list-style-type: none"> • Connect to a USB drive. • 1080p@30fps video files supported • File system: NTFS, FAT32 and FAT16 (supported), exFAT (FAT64) (not supported) • Supported image formats: jpg, jpeg, png and bmp • Supported video coding: MPEG1/2, MPEG4, Sorenson H.263, H.263, H.264 (AVC1), H.265 (HEVC), RV30/40, Divx and Xvid • Supported audio coding: MPEG1/2 Layer I, MPEG1/2 Layer II, MPEG1/2 Layer III, AAC-LC, VORBIS, PCM and FLAC
AUDIO	2	Audio input and output
Output Connectors		
Connector	Qty	Description
Ethernet ports	2	<p>2x Ethernet output connectors</p> <p>Connect to the receiving cards.</p>
Control Connectors		
Connector	Qty	Description
ETHERNET (RS232)	1	Connect to the central control device.
USB (Type B)	1	Connect to the control PC for program updating or debugging.

Dimensions



Tolerance: ±0.3 Unit: mm

Applications



Specifications

Overall Specifications		
Electrical Parameters	Power connector	100-240V AC, 50/60Hz
	Rated power	12 W

	consumption	
Operating Environment	Temperature	-20°C to +60°C
	Humidity	20% RH to 90% RH, non-condensing
	Storage humidity	10% RH to 95% RH, non-condensing
Physical Specifications	Dimensions	482.6 mm × 250.0 mm × 50.0 mm
	Net weight	2.8 kg
	Total weight	6 kg
Packing Information	Packing box	565 mm × 328 mm × 88 mm
	Accessories	1x Power cable, 1x USB cable, 1x DVI cable, 1x HDMI cable, 1x Certificate of Approval
	Large Outer Case	585 mm × 353 mm × 113 mm
Certifications		None
Noise Level (typical at 25°C/77°F)		38 dB (A)

Video Source Features

Input Connectors	Bit Depth		Max. Input Resolution
HDMI 1.3	8bit	RGB4:4:4	1920×1080@60Hz
		YCbCr4:4:4	1920×1080@60Hz
		YCbCr4:2:2	1920×1080@60Hz
		YCbCr4:2:0	Not supported
	10bit	RGB4:4:4	1920×1080@60Hz
		YCbCr4:4:4	1920×1080@60Hz
		YCbCr4:2:2	1920×1080@60Hz
		YCbCr4:2:0	Not supported
	12bit	-	Not supported

Input Connectors	Bit Depth		Max. Input Resolution
DVI	8Bit	RGB4:4:4	1920×1080@60Hz

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