



VWC63 - 6 inputs / 3 outputs
VWC65 - 6 inputs / 5 outputs
VWC1210 - 12 inputs / 10 outputs

Video Wall Controller (6in/3out, 6in/5out, 12in/10out)

- Built-in matrix feature for opening a signal source on several windows simultaneously.
- Matrix protocol of ZT1.0, ZT2.0, Extron, Creator and HIK_CVBS_96P supported and up to 4 matrixes with maximum 512 input channels of each matrix supported.
- Supports crossing-window video roaming.
- Supports adjusting the output to match the virtual output of client software with real output of controller.
- Up to 16 devices can be managed and up to 5 virtual video walls can be displayed by a client server.
- Remote control via iOS client server, Android client server and IE browser.
- Supports opening windows to display video signal, with the window position and size adjustable.
- Supports SADP searching active IP address and resetting the password of administrator.
- The fan speed of the chassis is self-adaptive to the temperature.
- Supports both the LED screen mode with small pixel pitch and the normal screen mode.
- Supports custom resolution access of DP, DVI and HDMI signal sources and characters overlap.
- Supports remote interaction.
- Compatible with wireless projection.
- A signal source can be displayed on the $M \times N$ ($M \geq 1, N \geq 1$) display units.
- Multiple signal sources are supported, including VGA, DVI, HDMI, BNC, YpbPr, DP, HDBaseT. Up to 4096 x 2160 @30 Hz resolution is supported for HDMI, DP and HDBaseT signal inputs.
- Distributed network signal sources configurable to raise the signal source capacity and transmission distance. And low latency mode configurable for the distributed network signal sources to optimize the decoding delay to be less than 200 ms.
- Video upscaling configurable to display video with higher image quality.
- Live view in the roaming window and live view list.
- Fluent video output without frame extraction to guarantee the lossless output of 60 frames.
- An enhanced network decoding board supports H.264 and H.265 compression standard and can display network signal of 2-ch@8.0 MP, 2-ch@6.0 MP, 2-ch@5.0 MP, 8-ch@1080p, 16-ch@720p and 32-ch@D1 and local video files.
- Supports 1/4/9/16 window division modes and full-screen switch of the window.
- The window can be kept sticking on top without being affected by the operations of other windows and kept open without being affected by the scene or plan configuration.
- Up to 6 image layers can be displayed on one screen, including one virtual LED image layer and a background layer.
- The LED font size, background color and moving mode are adjustable. The resolution of background layer is up to 8192 x 8192.
- Tile mode available and the video layers can be extended to 8 layers in tile mode.
- The tile mode can be saved in the scene.
- Video wall mirror configurable to mirror the content of one video wall area to another area.
- Users have the permission to manage the signal sources and video wall.

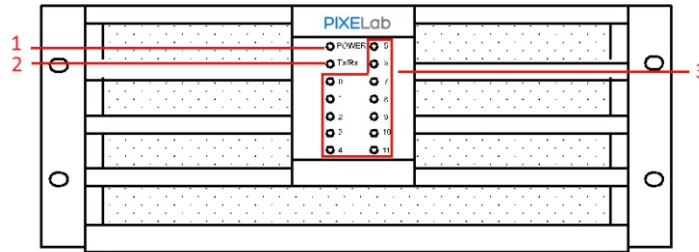
Technical Specifications

VWC Series				
Model		VWC63	VWC65	VWC1210
Hardware	Slot Number	9 (6 × Input, 3 × Output)	11 (6 × Input, 5 × Output)	22 (12 × Input, 10 × Output)
Motherboard (VWC-MB)	Network Interface	1 × 10M/100M/1000M self -adaptive Ethernet interface		
	USB Interface	1 × USB 2.0 (Reserved)		
	RS-232 Serial Interface	2		
Network Decoding Board (VWC-NW)	Decoding Performance	2-ch@8 MP (low frame rate), 2-ch@6 MP, 2-ch@5 MP, 8-ch@1080p, 16-ch@720p, or 32-ch@D1		
DVI Input Board (VWC-INW)	Interface	4 × DVI interface		
	DVI Input Resolution	Custom resolution, 720p@50 Hz, 720p@60 Hz, 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1080p@50 Hz, 1080p@60 Hz, UXGA@60 Hz, 1920 × 1200@60 Hz		
VGA Input Board (VWC-IVGA)	Interface	4 × VGA interface		
	RGB Input Resolution	720p@60 Hz, 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1080p@60 Hz, UXGA@60 Hz, 1920 × 1200@60 Hz NOTE: The VGA to DVI adaptor is required for VGA input.		
HDMI Input Board (VWC-IHDMI)	Interface	4 × HDMI interface		
	DVI Input Resolution	Custom resolution, 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 720@50 Hz, 1280 × 720@60 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1600 × 1200@60 Hz, 1920 × 1080@50 Hz, 1920 × 1080@60 Hz, 1920 × 1200@60 Hz, 3840 × 2160@30 Hz, 4096 × 2160@30 Hz Note: Only No. 1 and 3 interfaces support 3840 × 2160@30 Hz and 4096 × 2160@30 Hz resolution. The 4096 × 2160@30 Hz resolution is not supported by EDID, and can only be output by video card.		
BNC Input Board (VWC-IBNC8)	Interface	8 × BNC interface, PAL/NTSC self-adaptive		
	BNC Input Resolution	WD1, D1		
YPbPr Input Board (VWC-IYPbPr4)	Input	4 × DVI interface		
	DVI Input Resolution	576p50, 480p60, 720p50, 720p60, 1080p50, 1080p60 Note: The DVI to YPbPr adaptor is required for YPbPr input.		
DP Input Board (VWC-IDP4)	Interface	4 × DP interface		

Model		VWC63	VWC65	VWC1210
DP Input Board (VWC-IDP4)	DP Input Resolution	Custom resolution, 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 720@50 Hz, 1280 × 720@60 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1600 × 1200@60 Hz, 1920 × 1080@50 Hz, 1920 × 1080@60 Hz, 1920 × 1200@60 Hz, 3840 × 2160@30 Hz, 4096 × 2160@30 Hz Only No. 1 and 3 interfaces support 3840 × 2160@30 Hz and 4096 × 2160@30 Hz resolution. The 4096 × 2160@30 Hz resolution is not supported by EDID, and can only be output by video card.		
	Interface	4 × HDBaseT interface		
HDBaseT Input Board (VWC-IHDB4)	HDBaseT Input Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 720@50 Hz, 1280 × 720@60 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1600 × 1200@60 Hz, 1920 × 1080@50 Hz, 1920 × 1080@60 Hz, 1920 × 1200@60 Hz, 3840 × 2160@30 Hz, 4096 × 2160@30 Hz Note: Only No. 1 and 3 interfaces support 3840 × 2160@30 Hz and 4096 × 2160@30 Hz resolution.		
	Interface	4 × DVI interface		
DVI Output Board (VWC-ODVI4)	DVI Output Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1360 × 768@60 Hz, 1400 × 1050@60 Hz, 1920 × 1200@60 Hz, 720p@60 Hz, 1080p@60 Hz		
	Interface	4 × VGA interface		
VGA Output Board (VWC-OVGA4)	RGB Output Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1360 × 768@60 Hz, 1400 × 1050@60 Hz, 1920 × 1200@60 Hz, 720p@60 Hz, 1080p@60 Hz NOTE: The DVI to VGA adaptor is required for VGA output.		
	Interface	4 × HDMI interface		
HDMI Output Board (VWC-OHDMI4)	DVI Output Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1360 × 768@60 Hz, 1400 × 1050@60 Hz, 1920 × 1200@60 Hz, 720p@60 Hz, 1080p@60 Hz NOTE: The DVI to HDMI adaptor is required for HDMI output.		
	Power Supply	100 to 240 VAC, 50/60 Hz		
Others	Consumption	≤ 250 W (full-loaded)		Built - in redundant power supply
	Working Temperature	+0°C to +50°C (+32°F to +122°F)		
	Working Humidity	10 to 90% (Non-condensing)		
	Chassis	Standard 4U chassis		Standard 8U chassis
	Dimension (D × H × W)	352 × 177 × 442.4 mm		352 × 354 × 442.4 mm
	Weight	≤ 20 kg (full-loaded)		≤ 35 kg (full-loaded)

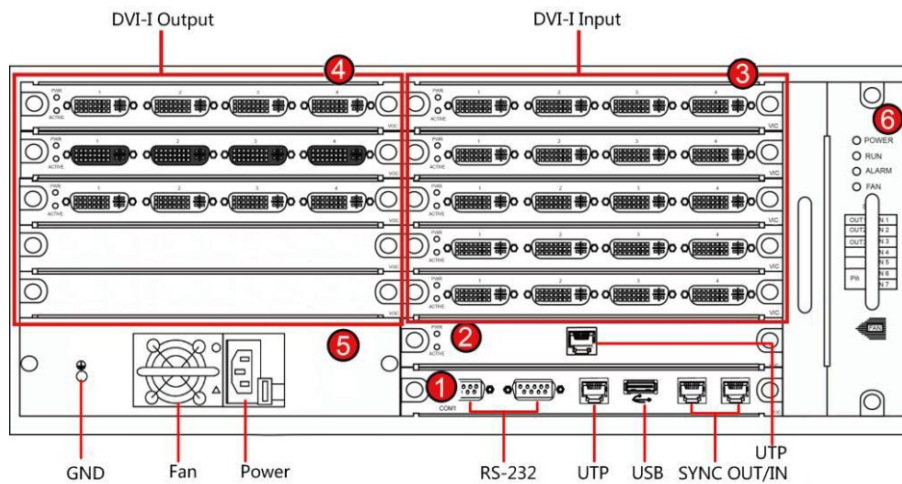
Physical Interfaces

Front Panel



Index	Description	Index	Description
1	Power Indicator	3	Board Indicator
2	Network Indicator		

Rear Panel



Index	Description	Index	Description
1	Motherboard	4	Signal Output Module
2	Signal Input Module	5	Power
3	Signal Input Module	6	Fan

Available Models

- VWC63
- VWC65
- VWC1210