

Vanguard Video Wall Controller

Guardian+VW2.5



Features

- 19" standard 2.5U ATCA industry box
- High speed passive rear panel design, reliable and stable
- Easy and flexible configuration with pluggable card module design
- Support max 32 screens splicing and 3 additional outputs
- 16ch 1080P@25fps or 64ch D1@25fps signal decoding in main control board and 5ch 1080P@25fps or 16ch D1@25fps signal decoding in output cards (using the decoding capability of main control board)
- Provide low latency solution and excellent performance of synchronization
- Redundant power optional and smart temperature controlled fan
- Powerful main control chip inside, ultrahigh data processing capacity and good extensibility
- Support analog/digital video signals input and matrix output
- Support collection of 4K local signal via HDMI interface to achieve the high-definition display
- 2 RJ-45 gigabit network ports for matrix control, preview
- Remote reboot/upgrade/default setting and etc operations





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System		
Main Processor		Powerful microprocessor
Operating System		Embedded LINUX
Bus		PCI-E
Slot		5 slots (1 Main Control Board + 4 Video Function Board Slots)
Mainframe		Power module (redundant power optional), main control board, control board, PCI-E bus rear panel, smart temperature controlled fan
Video Card		Max. 4 (4 Input Cards or 4 Output Cards or Combination of both)
Video Input		
HDMI-I	HDMI-I2	2ch HDMI @4K
	HDMI-I8	8ch HDMI @1080P/720P/UXGA/SXGA+/SXGA/SXG/SVGA/VGA
DVI-I	DVI-I4	4ch @1080P/720P/UXGA/SXGA+ /SXGA/SXG/SVGA/VGA
Network Video	Transfer Protocol	TCP/UDP/RTP/RTSP/RTCP
	Support Device	IPC, DVR, NVR, NVS
	Video Resolution	4K/1080P/UXGA/720P/D1/HD1/2CIF/CiF/QCIF
Others		HDCVI/HD-SDI/CVBS
Video Decoding Output		
HDMI-O8D		8 CH HDMI Split: Max 32 Layers
Matrix Switch		
Video Input		Analog Camera, Digital Camera, IPC, DVR, NVS, NVR and etc.
IP HD Matrix Switch		1024 IP input, 160ch@1080p, 320ch@720p, 640p@D1

Video-Wall		
Decoding Card Video-Wall Splicing	Splicing	Support video-wall splicing (max 32 LCD display units)
	Video-Wall	Support Splicing Zoom/Merge/Roam/Overlay
	Input Source	HD/SD, Digital/Analog (support mix input)
	Output Port	HDMI / Optional DVI-D
	Control Mode	Local Operate Menu / PC client-end / Network Keyboard
Network		
Interface		2 RJ-45 ports (10/100/1000M)
Serial Port		3 RS232 ports (3 RJ45), for console and control 1 RS485 port
USB		1 USB2.0, 2 USB3.0
General		
Power Supply		115-230V, 47-63Hz (Redundant)
Power Consumption		≤360W
Working Environment		0℃ ~+50℃ / 10~90%RH / 86~106kpa
Dimension		2.5U, 482.6mm×437mm×111.9mm (W×D×H) for Main Matrix
Weight		≤13Kg
Warranty		Vanguard 1-year warranty and Vanguard Extended Warranty option