



# 4K HDMI Modular Video Wall Controller

Model: VW-MOP-HDXXXX



## INTRODUCTION

Pure-hardware FPGA Array, modular design, 6.25G/s base exchange processing speed;

Support hot-swappable for I/O modules, control modules, redundant power supply. Easy to upgrade and maintenance; Support VGA, DVI, HDMI, CVBS, DP, SDI, HDBaseT, IP-Video, Fiber input sources and VGA, DVI, HDMI, SDI, CVBS, HDBaseT, Fiber output

## I/O INTERFACE

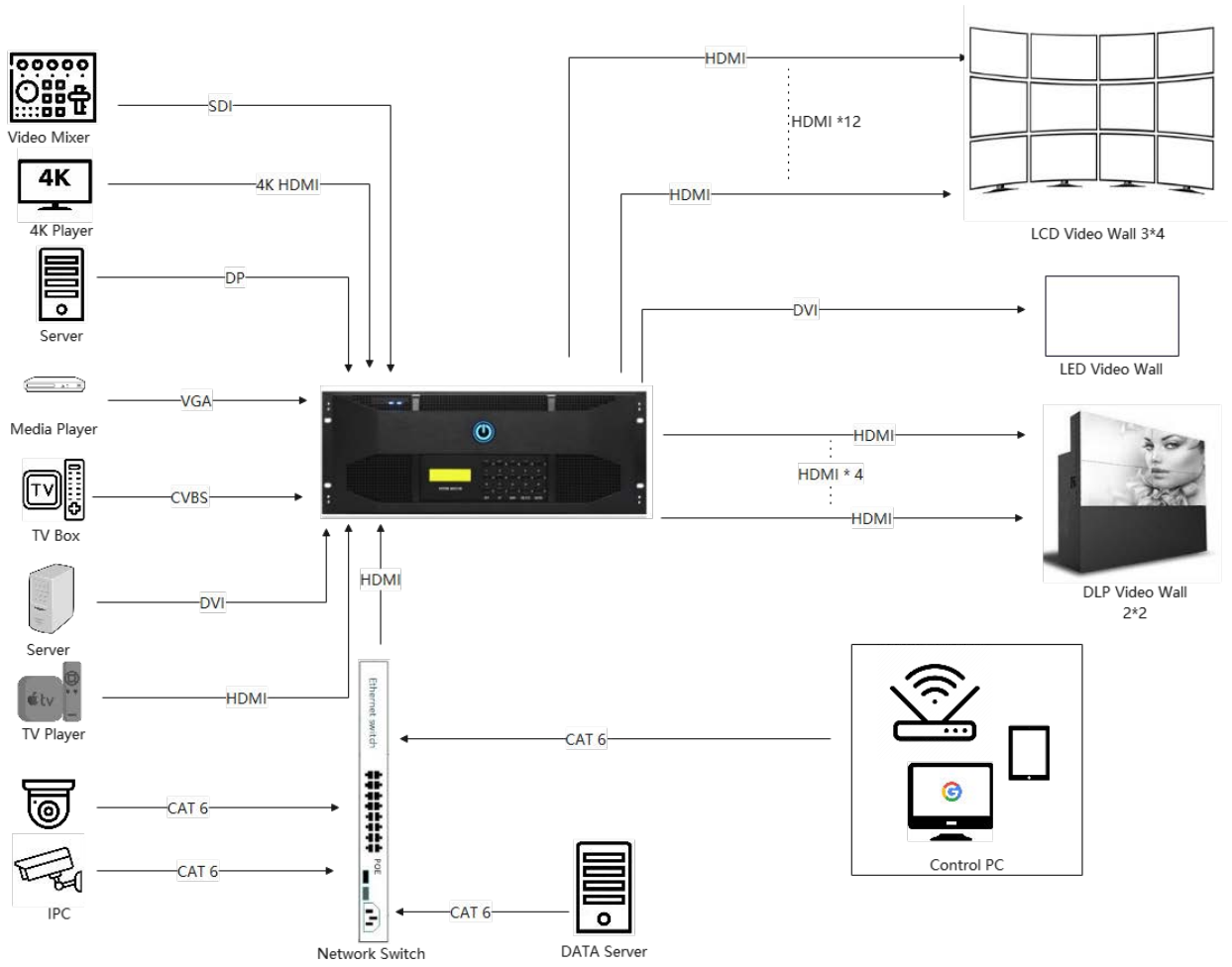
Input: DVI/VGA/DVI/HDMI/HDMI1.4/Ypbpr/CVBS/SDI/IPV/HDBaseT/Fiber Output: VGA/DVI/HDMI/HDMI1.4/ CVBS/SDI/HDBaseT/Fiber

## FEATURES

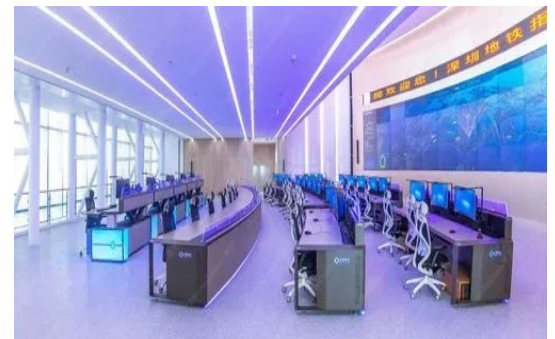
- Supports roaming, overlay, zoom in/out, multi-window switching, picture-in-picture, signal clip;
- Supports LCD, DLP and LED video wall, manage up to 4 groups with different resolution at the same time;
- Variety of control methods such as RS232, Network, Keypad and compatible with third party control system;
- Support EDID, customize the output resolution according to the physical resolution of the display system;
- Advanced image decoding technology, compatible with a number of manufacturers' IPC signal and seamless access with variety resolutions
- Up to 4K@60hz HDMI 2.0 input and 4K@30hz HDMI 1.4 Output;



## DIAGRAM



## APPLICATION





## SPECIFICATIONS

Chassis	4U	8U	16U	24U	32U(Double)
Input Slots	4	9	20	40	80
Output Slots	4	8	20	40	80

Input/Output Card	Input Card	Signal Type	Duallink DVI/VGA/DVI/HDMI/HDMI1.4/Ypbpr/CVBS/SDI /IPV/ HDBaseT/Fiber
		Qty Port	2/4/8 channel
		Max Resolution	3840x2160@60Hz
	Output Card	Signal Type	VGA/DVI/HDMI/HDMI1.4/ CVBS/SDI/HDBaseT/Fiber
		Qty Port	2/4 channel
		Max Resolution	3840*2160@30HZ
Hardware Information	Product Type		Pure hardware FPGA architecture
	Processing Technology		FPGA real-time processing technology
	Start Up		<30S
	Card Type		Pure hardware pluggable,hot-swappable structure
	Power supply configuration		N+1
	Safety characteristics		No virus & crash
Image Processing Techniques	Display		Image combing, windowing, moving, zooming in/out, roaming, display monitoring, signal previewing, ect.
	Switching Response Time		Millisecond switch
	Max Group		16
	Number of signal copy		≥8
	Dual-Screen Windows		8
	IP decoding		Compatible with most IPC and mainstream providers
	User manager		Multi user and multilevel permissions partition settings
	Preview and Echo		Support
	Mobile Control		IPad visualization management
	EDID Editor		Input EDIDself-adaption, output EDID edit and load
	Image		Subtitle superposition and image cropping
Control	Network Control		TCP/IP
			RJ45 10M/100M
	Serial port control		RS232 DB9 Baud Rate 115200
	Third Party Control		Infrared remote control, serial port, keyboard, network, central control, mobile terminal
	Working Environment	Temperature	
Humidity		10-90% without condensation	
Voltage		100-240VAC 50/60Hz	
(MTBF)		>50000h	