



# HDMI Modular Video Wall Controller with Preview, Scrolling Text and Browser Control

Model: VW-MOC-HDXXXX



## INTRODUCTION

Pure-hardware FPGA Array, modular design, parallel video processing hardware systems;

Hot-swappable for I/O modules, control modules, easy to upgrade and maintenance; Up to 4 video wall groups control on single controller and work with variety of display terminals such as LCD, LED, DLP and projector

## I/O INTERFACE

Input: DVI/HDMI

Output: DVI、HDMI

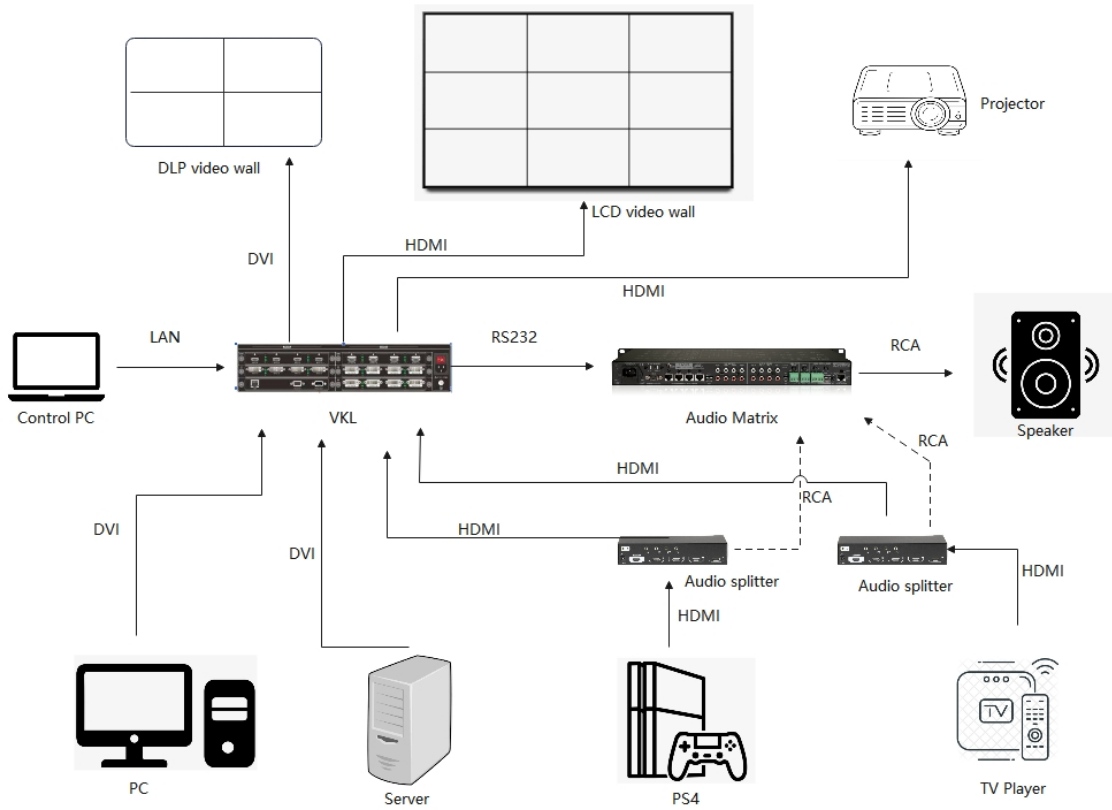
Control: LAN、RS232

## FEATURES

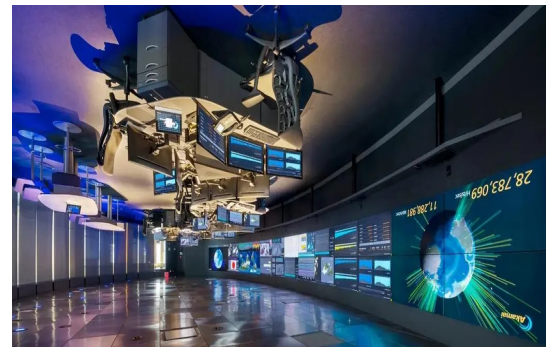
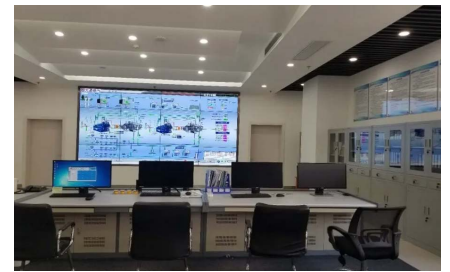
- Supports 1080P@60hz HDMI input and output;
- Supports PC and browser control, signal preview and video wall monitoring;
- Scene management, including save, switch, recall, recycle, maximum support 128 scenes;
- Supports roaming, overlay, zoom in/out, multi-window switching, picture-in-picture, signal 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 and compatible with third party control system;
- Supports scrolling text and background image;
- Support EDID, customize the output resolution according to the physical resolution of the display system.



## DIAGRAM



## APPLICATION





## SPECIFICATIONS

Chassis	2U	3U	6U
Max Input Channel	8	20	36
Quad Channel Output Card (Supports 2 windows / screen)	12	16	36
Dual Channel Output Card (Supports 4 windows / screen)	6	8	18

Input/Output Card	Input Card	Signal Type	DVI/HDMI
		Qty Port	4 channels
		Max Resolution	1920 x 1200@60Hz
	Output Card	Signal Type	DVI/HDMI
		Qty Port	4 channels
		Max Resolution	1920 x 1200@60HZ
Hardware Information	Product Type		Pure hardware FPGA architecture
	Processing Technology		FPGA real-time processing technology
	Start Up		<10S
	Card Type		Pure hardware pluggable,hot-swappable structure
	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		4
	Number of signal copy		<16
	Open windows		2/4 windows on each single screen
	User manager		Multi user and multilevel permissions partition settings
	Signal Preview		Support
	POWER		N+1 redundant power supply structure
	EDID		Support
Control	Network Control		TCP/IP
			RJ45
			100M
	Serial port control		RS232 DB9
			Baud Rate 115200
	Third Party Control		Supported
Working Environment	Temperature		0-50°C
	Humidity		10-90%without condensation
	Voltage		100-240VAC 50/60Hz
	(MTBF)		>50000h