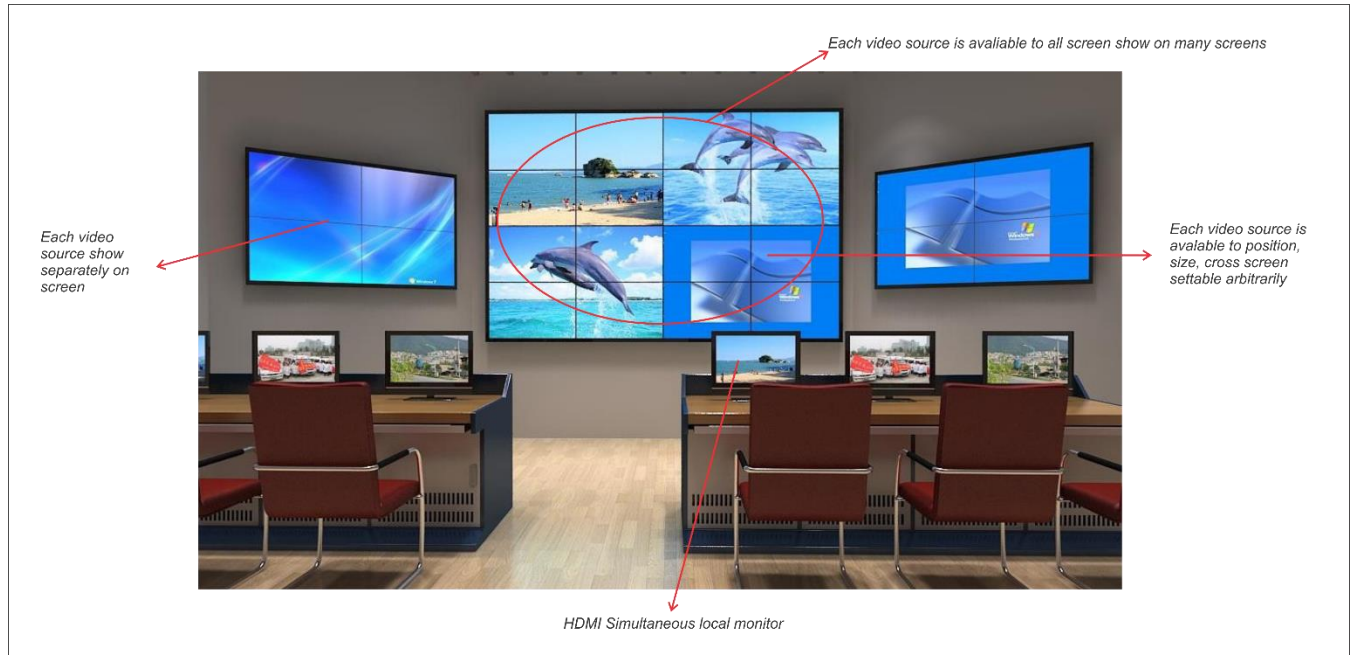


## MULTIVIEWER VIDEOWALL PROCESSOR

### Modular Multiviewer and screen Videowall Processor



### Overview :

This pure hardware design video wall processor is the newest version of image controller; it displays the various analog/digital images, video source on the output device: LCD wall, surveillance system or others. The video wall processor adopts brand new modular concept that the input cards and output cards can be used in any combination, in any order and in any slots on the backplane; moreover, display devices can be controlled and connected via transmitting signal with multiple video wall processors used in seamless conjunction.

The flexibility of the Multi Display Processor allows configuring any number of display units as small as 2x2 as large as infinite. Various signal formats are also available, including composite video, HDTV/Component, VGA, HDMI, DVI, SDI (HD-SDI, SDI, 3G-Sdi), etc.



The Multi Display Processor include several new key features that simplify installation, intelligent control as it can be controlled by Android or Ipad devices, and easy maintenance, such as CPCI modular industry case, hot swappable, built-in digital matrix, Windows base software.

Key Features :

- 2U, 2.5U, 4U, 6.5U 11U, 20U Case Configuration
- Touchscreen panel with 5" TN panel
- Truly in/out modular design – truly concept modular
- Easy Installation – plug and play I/O Card no need software installation
- All format signal capture – including Composite video, Component, VGA, HDMI, DVI, SDI
- Full HD digital matrix inside – each Input/Output card can support up to 4 Full HD ports
- Hot swappable I/O board – easy installation
- Truly modular redundant power supply – Hot swappable PSU for emergency protection
- Hardware Base :
  - FPGA Structure, without OS, No Windows Breakdown risk, No Virus, All Compatible, No Blue screen error.
  - Can switching ON/OFF frequently
  - Boot time less than 15 seconds
- Easy maintenance – suitable for all environment
- Custom labeling – support customer label for each viewer
- Cross bar switching structure, up to 10 Gps/channel, each output channel is independent
- Input Voltage : 100V~240V 50/60 hz

## Technical Parameters

Digital Hardware Videowall Processor	
Description	Up to 4 video windows per display channel (optional)
Inputs (optional)	DVI/HDMI/VGA/Component/Composite/SDI/S-Video, 4 channel/card
	Support Video Capture, self-adaptive to analog type of video (PAL, NTSC, SECAM)
Output (optional)	HDMI/DVI-I, 4 channel/card
Input Resolution	1920x 1200/60Hz, 1080p, compatible of all standard resolutions and can be costumized
Output Resolution	1920 x 1200/60Hz (compatible with standard resolution)
Input/Output Card	Bandwidth Input : 10 Gbps independent bandwidth/card
	Bandwidth Output : 40 Gbps independent bandwidth/card
System Control	Windows based (Win 7/8/8.1/10), Tablet based (iOS, Android, MAC)
	Support IP, LAN, Wireless Control (via Tablet/smart phone)
Power Supply	Dual power supplies 100-240VAC, 50/60Hz, more trustable hot swappable power supply working mode, internationally self-adaptive power
Working Temperature	-20°C-60°C
Working Humidity	5-95%
Chassis Size	2U, 3U, 6.5U, 11U, 20U standard rackmount chassis
Serial Port	RS-232
Baud Rate	115200
Ethernet Contorl Port	RJ-45 ports, TCP/IP protocol
Working hours	7 days x 24 hours x 365 days

1

Single-screen multi-window  
any super-roaming

Single-screen support multi-window  
various types of signal superposition,  
roaming, window display.



2

Support ultra-high-definition  
4K signal acquisition

You can collect various types of DL-DVI, DP, HDMI1.4 4K signal,  
providing more shocking and clear display.



**4K UHD**



3

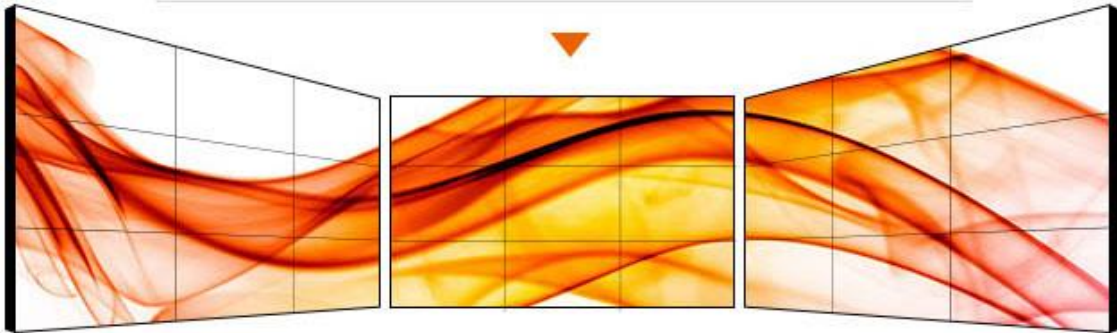
Pure hardware architecture  
board any combination



Industrial chassis with CPCI structure. Modular design, dual backup redundant power supply support hot backup, fan and other modules at will. Can support the system processing module hot-swappable, provide various types of chassis and board, for customers to save costs.

## Multi - group video wall management

Can be several groups of mosaic wall management, mosaic wall between the common input signal source, the output without interference with each other, you can set a different resolution, adjust the color and other parameters.



4

Support PC and mobile control  
software pre-monitoring display

Support the user in the PC and the mobile side of the control software for all input signals in real-time preview, you can more intuitive choice need to operate the signal source. At the same time in the interface can watch large-screen real-time echo images, improve the efficiency of the operator and prevent the wrong operation.



iOS



Support for Apple IOS control

5

Integrated control function



Integrated control serial port control Interface.  
Can be transferred out RS232 type command,  
control the projector, large screen switch, and so on.

