

4K - UHD

Video Wall Controller



4K-UHD FPGA VIDEOWALL CONTROLLER



Hardware Based Design

High performance video processing equipment with ★ hardware architecture design.

- No more computer high-end specification.★
- No more high-end GPU Card.★
- No more licenses. ★
- No more blue-screen OS crash.★
- No more viruses and black screen.★
- No more ransomwares, lost data.★
- Support up to 72 input x 72 output.★



FPGA Dedicated Chipset

Dedicated Field Programmable Gate Array (FPGA) chipset is a combination of processing unit that dedicated in video processing. This eliminated the limitation of a CPU or a GPU from conventional Software or PC controller.

Without the use of PCI - Express card, the unit can work flawlessly when adding or editing the total layout of the videowall set up. As each of the FPGA chip is working independently, user can replace or add new input/output card to customize their system.

Module design with Hot Swap

Multiple form of connections for client to custom fit their system. Client can now combine HDMI - DVI - VGA - HDBaseT & IP Streaming in one total solution, maximizing system integration. Reduce total cost of investment in both pre/post phase of expansion. Chassis also support control over Remote control, TCP/IP, RS-232 & button, further simplify the complexity of connections and management.

Features

- **Modular design - Mix and Match**
8 x 8 up to 72 x 72 input x output slot with mixing ports
- **Easy control with Drag & Drop**
Customize complex layout with simple Click - Drag - Drop
- **4K Video Wall with Flexible set up**
Support DVI-I / HDMI / 3G-SDI / HDBaseT / VGA
Support resolution up to 4K@30Hz for both input / output (HDMI-4K)
- **Seamless Switching**
5ms seamless switching between signal sources. No blank or flicker.
- **Specialized video setting - Quatro Vision™**
Multi-view with 4 video sources in each display
- **Audio Channel**
HDMI / SDI / HDBase-T ports support embedded audio
- **Advance Matrix / Videowall controller**
Auto detect input status, controller status, EDID management, redundant power supply

Full-HD /4K HDMI I/O Card



DVI I/O Card



HDBase-T I/O Card



VGA / YPbPr I/O Card



SDI I/O Card



VIDEO WALL CONTROLLER with SEAMLESS - AMC4 Series 16 x 16 QUATRO VISION - 4K@30Hz Video Wall

Features

- Pure Hardware Structure - FPGA
- Modular Design with Video Wall.
- Seamless Switching - Flex EDID
- Multiple format I/O Card
- Flexible output resolution with OSD
- RS-232 control support
- Easy manage with TCP/IP
- Drag & Drop with Preset support
- Front buttons with backlight
- Quatro Vision™ - 4 sources per display



SPECIFICATION

Chassis size	3U 440 x 300 x 134 (mm)	HDCP	Support 1.3 / 1.4 / 2.2
Max. Data Rate	10.2 Gbps	EDID	Auto - Program
Input Interface Port	1 to 16 (Modular)	HDMI protocol	Support up to HDMI 1.4 with audio
Output Interface Port	1 to 16 (Modular)	Resolution Input	480p up to 4096x2160 @ 30 Hz
I/O Interface Support	DVI-I / HDMI / 3G-SDI / HDBaseT VGA/ YPbPr	Resolution Output	480p up to 4096x2160 @ 30 Hz
Control	Button/IP / RS-232 / Mobile App (Option)	Scaler	Support both up/down scaling
		Power	150W, 110 ~ 260V, 50-60 Hz
		Temp / Humid Operation	-20°C ~ + 70°C / 0% ~ 95%
		Temp / Humid Storage	-25°C ~ + 75°C / 0% ~ 95%

