4K - UHD

Video Wall Controller
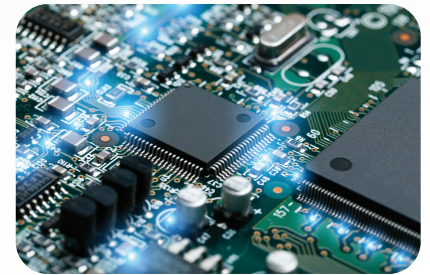
ANGUSTOS

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@3OHz 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
08 x 08 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	2U	440 x 300 x 89(mm)
Max. Data Rate	10.2 Gbps
Input Interface Port	1 to 8 (Modular)
Output Interface Port	1 to 8 (Modular)
I/O Interface Support	DVI-I / HDMI / 3G-SDI / HDBaseT
	VGA/ YPbPr
Control	Button/IP / RS-232 / Mobile App (Option)

HDCP	Support 1.3 / 1.4 / 2.2
EDID	Auto - Program
HDMI protocol	Support up to HDMI 1.4 with audio
Resolution Input	480p up to 4096x2160 @ 30 Hz
Resolution Output	480p up to 4096x2160 @ 30 Hz
Scaler	Support both up/down scaling
Power	100W, 100 ~ 260V, 50-60 Hz
Temp / Humid Operation	-20°C ~ + 70°C / 0% ~ 95%
Temp / Humid Storage	-25°C ~ + 75°C / 0% ~ 95%

CONNECTION DIAGRAM

INPUT

- PC — DVI
- Recorder — SDI
- Laptop — HDMI
- Ip CCTV — HDBaseT
- DVD — VGA

OUTPUT

- Videowall — CAT6
- Videowall — HDMI
- Videowall — SDI / VGA

CONTROL

- RS-232
- RJ-45
- PC
- Laptop — TCP/IP
- Tablet — TCP/IP
- Mobile