4K - UHD

Video Wall Controller
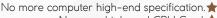
4K-UHD FPGA VIDEOWALL CONTROLLER

ANGUSTOS

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
  4 x 4 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 / 3GSDI / HDBaseT / Fiber connections.
  Support resolution up to 4K@60Hz for both input / output (HDMI)

- ## Built-in Audio port
  Support 3.5mm audio embedded and de-embeded function

- ## Specialized video setting
  Support HDMI 1.4 with HDCP 2.2 / 1.4
  Edge Shield features for Bezel pixel compensation in Video Wall setting

- ## Scaling function
  Support up/down scaling function via the DIP switch

- ## Seamless Switching
  Switching speed can reach 32Gbps

Full HD HDMI Card

DVI Card

Fiber Card

4K UHD HDMI Card

YPbPr Card

VGA Card

HDBase-T Card

SDI Card - with Loop

CVBS Card

IP Streaming Card

VIDEO WALL CONTROLLER with SEAMLESS - AMC Series
16 x 16 Ultra HD Resolution - 4K@60Hz Video Wall

Features

- Pure Hardware Structure - FPGA
- Modular Design with Video Wall.
- Seamless Switching - Flex EDID
- Multiple format I/O Card
- Mobile apps Support
- RS-232 control support
- Easy manage with TCP/IP
- Drag&Drop with Preset support
- Support Edge Shield - Benzel adjust
- Support cable up to 25-50m *

*Distance depends on connected cable quality. ANGUSTOS HDMI AOC Cable compatible up to 300m

SPECIFICATION

Chassis size	4.5 U
Max. Data Rate	32 Gbps (12.5Gbps per Lane)
Input Interface Port	1 to 16 (Modular)
Output Interface Port	1 to 16 (Modular)
I/O Interface Support	DVI-I / HDMI / 3G-SDI / HDBaseT
	VGA/Optical Fiber / CVBS / 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 2.0 with audio
Resolution Input	480p up to 4096x2160 @ 60 Hz
Resolution Output	480p up to 4096x2160 @ 60 Hz
Scaler	Support both up/down scaling
Power	200W, 110 ~ 260V, 50-60 Hz
Temp / Humid Operational	-20℃ ~ + 60℃ / 0% ~ 95%
Temp / Humid Storage	-25℃ ~ + 65℃ / 0% ~ 95%

CONNECTION DIAGRAM

INPUT

OUTPUT

DVI — PC

VGA — Recorder

HDMI — Laptop

HDBaseT — Ip CCTV

Fiber — DVD

CAT6 — Videowall

HDMI — Videowall

Fiber — Videowall

CONTROL

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