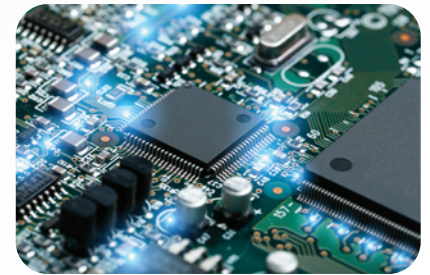# 4K - UHD

Video Wall Controller

ANGUSTOS

4K-UHD FPGA MATRIX & 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.
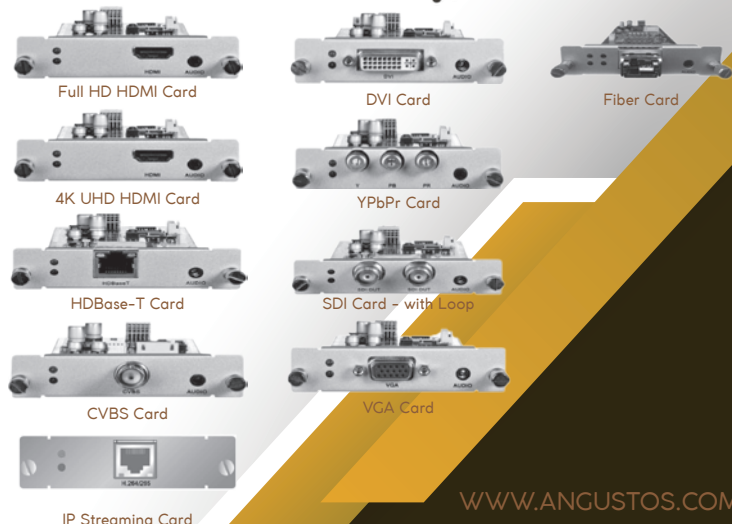
Modular design with Hot Swap

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

HDBase-T Card

SDI Card - with Loop

CVBS Card

VGA Card

IP Streaming Card

VIDEO WALL CONTROLLER with SEAMLESS - AMC Series
08 x 08 Ultra HD Resolution - 4K@60Hz Video Wall

Features

- Pure Hardware Structure - FPGA
- Modular Design with Video Wall.
- Seamless Switching - Flex EDID
- 8x8 FHD HDMI Cards Included
- Mobile apps Support
- RS-232 control support
- Easy manage with TCP/IP
- Drag&Drop with Preset support
- Support Edge Shield - Benzel adjust
- Support multiple I/O formats

SPECIFICATION

Chassis size	2 U
Max. Data Rate	32 Gbps (12.5Gbps per Lane)
Input Interface Port	8 x HDMI female
Output Interface Port	8 x HDMI female
I/O Interface Support	DVI-I / HDMI / 3G-SDI / HDBaseT
(Optional)	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	-20°C ~ + 60°C / 0% ~ 95%

CONNECTION DIAGRAM

INPUT

OUTPUT

DVI — PC

VGA — Recorder

HDMI — Laptop

HDBaseT — Ip CCTV

Fiber — DVD

Videowall — HDMI

Matrix — HDMI

CONTROL

RS-232 — PC

RJ-45 — Laptop

TCP/IP — Tablet

TCP/IP — Mobile