High-End

Video Wall Controller

ANGUSTOS

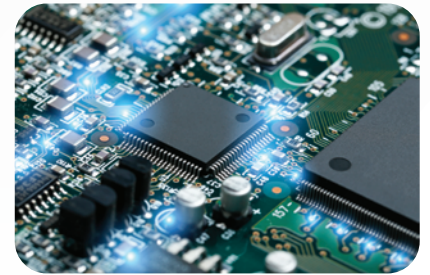## MULTIPLE LAYERS FPGA VIDEOWALL CONTROLLER

Hardware Based Design

High performance video processing equipment with hardware architecture design.

★ No more computer high-end specification.
★ No more high-end Graphic Processing Unit (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 152 input x 144 output (20U Chassis)**

FPGA Dedicated Chipset

Dedicated Field Programmable Gate Arrray (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 without turning off the whole chassis.

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 intergration.

Reduce the total cost of investment in both pre & post phase of expansion. Chassis also support control multiple videowalls, further simplify the complexity of connections and management.

Features

● **High-end Multi Layers MPiP™ - Cross Screen**

Support up to 2 Layers Matrix Picture in Picture (MPiP™) in each screen

● **Easy control with Drag & Drop**

Customize complex layout with simple Click - Drag - Drop

● **High-end Video Wall Control**

Support Overlap, Roaming, Stretching, Zoom in / out.
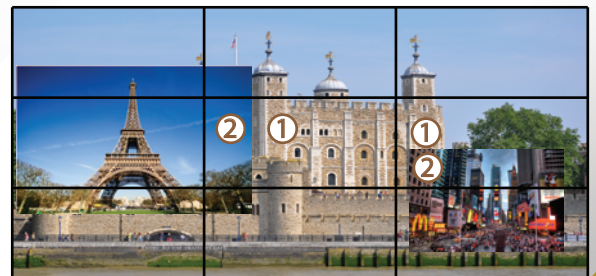
● **Front Panel Touch Screen**

Control scene mode, save / recall profile, IP setting with just a touch

● **IP Camera Direct Stream (iDirect Stream™)**

IP input Card can support streaming video feed direct from IP CCTV Cameras.

● **Background Image - Scrolling Text - Scheduling**

Support Static Background Image and Scrolling Text for Bank and Stock house Video Wall
Support scene mode Scheduling - Cycle for advertising - digital signage Video Wall

VIDEO WALL CONTROLLER
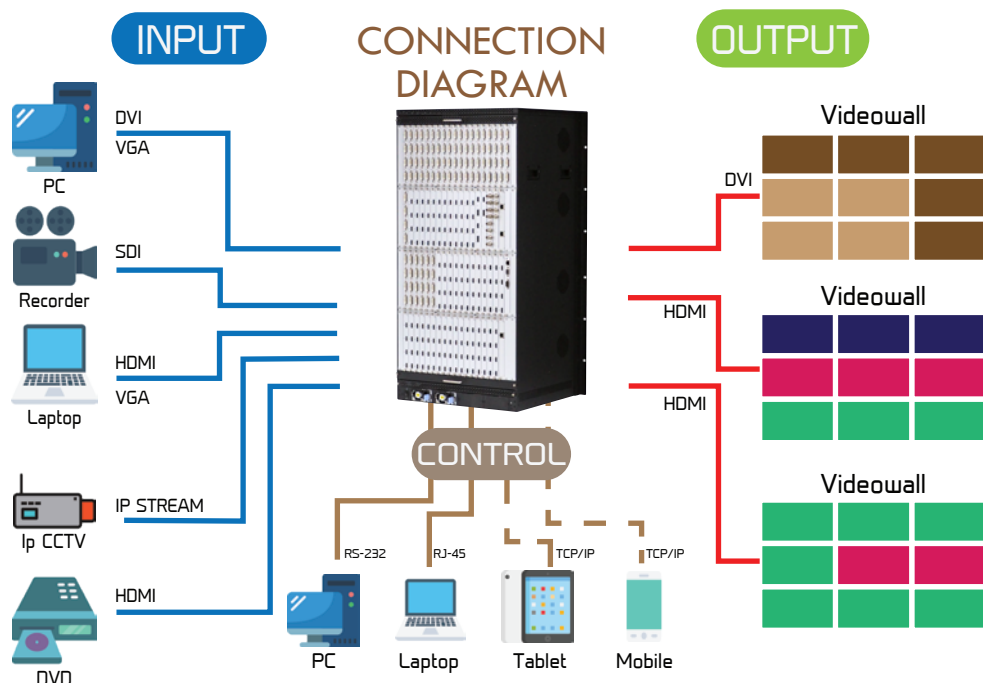## 152 x 144 / 164 x 132 Cross Screens Video Wall

Features

- Pure Hardware Structure - FPGA
- Modular Design
- Seamless Switching
- Bezel Compensation
- Scrolling Text
- Character Superimposition
- Ultra HD Background Image
- Multiple video wall management
- Signal preview(Optional)
- Support Redundant Power Supply

SPECIFICATION

Chassis size	20U | 440 x 400 x 890 mm	Resolution Input	1920 x 1200 @ 60 Hz
Input Interface Port	4 - 164		4092 x 2160 @ 30Hz
Output Interface Port	4 - 144	Resolution Output	1920 x 1200 @ 60 Hz
Interface Support	VGA / CVBS / YPbPR / SDI / IP	Multiple Layers	Support - 2
	HDBaseT / DVI / DP / HDMI	Power Supply	100 ~ 240V, 50-60 Hz
Control	IP / RS-232 / Touchscreen (Option)	Temp / Humid	-20°C ~ + 70°C / 10% ~ 90%

CONNECTION DIAGRAM

INPUT

- PC — DVI, VGA
- Recorder — SDI
- Laptop — HDMI, VGA
- Ip CCTV — IP STREAM
- DVD — HDMI

CONTROL

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

OUTPUT

- Videowall — DVI
- Videowall — HDMI, HDMI
- Videowall

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VIDEO WALL CONTROLLER
152 x 144 / 164 x 132 Cross Screens Video Wall

HYBRID I/O SLOT

Advance FPGA chip allow Angustos Video Wall Controller chassis to set up flexible input / output slot.
Hybrid I/O Slot can be both Input or Output slot
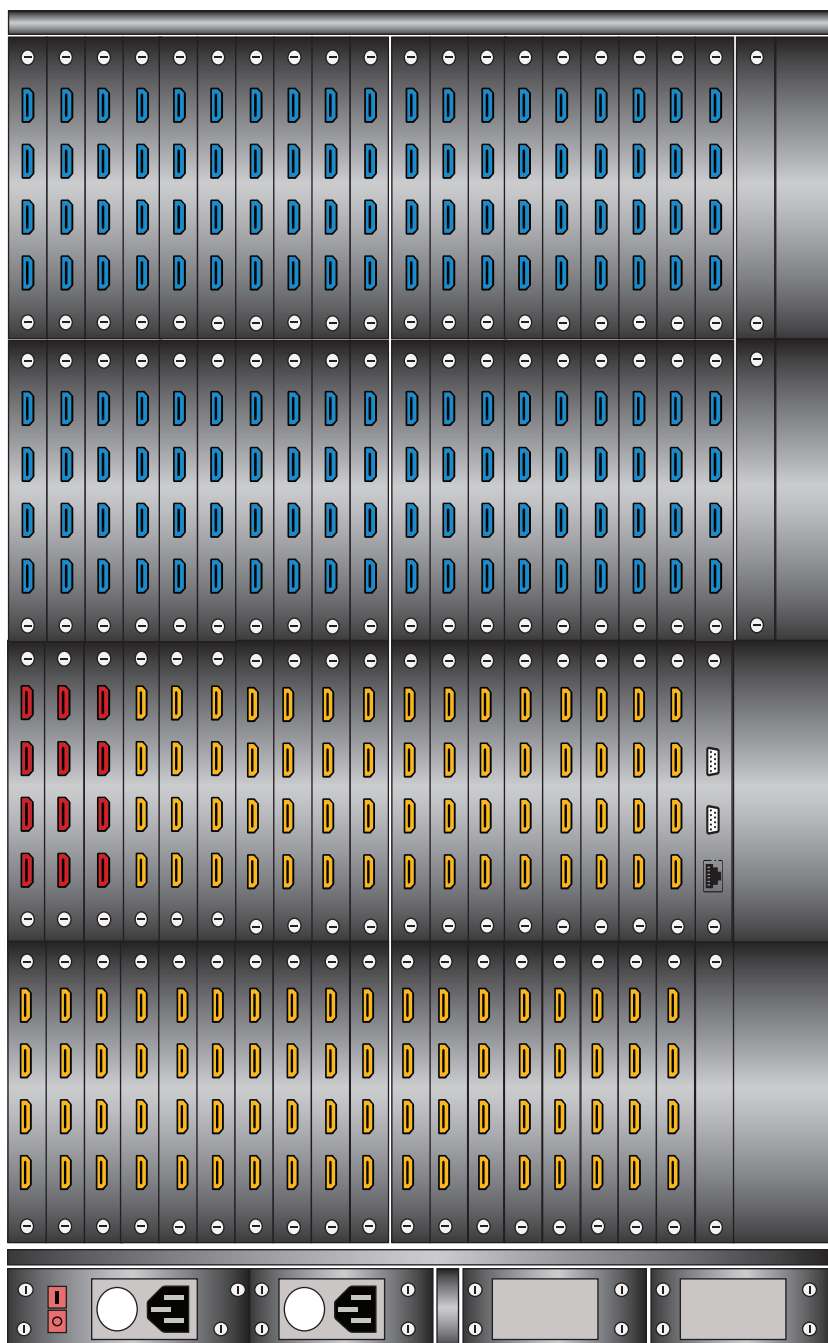
INPUT PORT

OUTPUT PORT

HYBRID I/O PORT

POWER MODULE

ETHERNET PORT

RS-232 PORT

ACVW2O-152144	MAX INPUT	MAX OUTPUT
INPUT PORT	164	152
OUTPUT PORT	132	144