

# High-End

## Video Wall Controller



### MULTIPLE LAYERS FPGA VIDEOWALL CONTROLLER



## Hardware Based Design

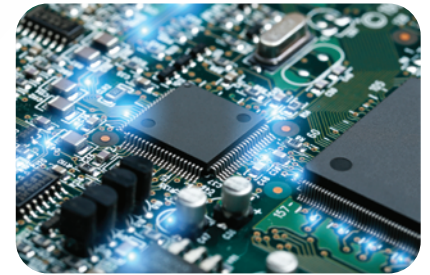
High performance video processing equipment with hardware architecture design.

- ★ 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 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. Support 24/7 working with over 50,000 hours MTBF

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 for IT rack (19").

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

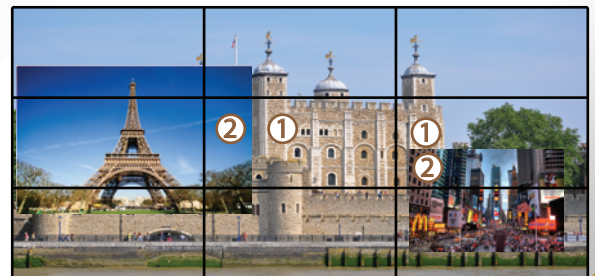
Control scene mode, save / recall profile (up to 30), IP setting with just a touch

### ● 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

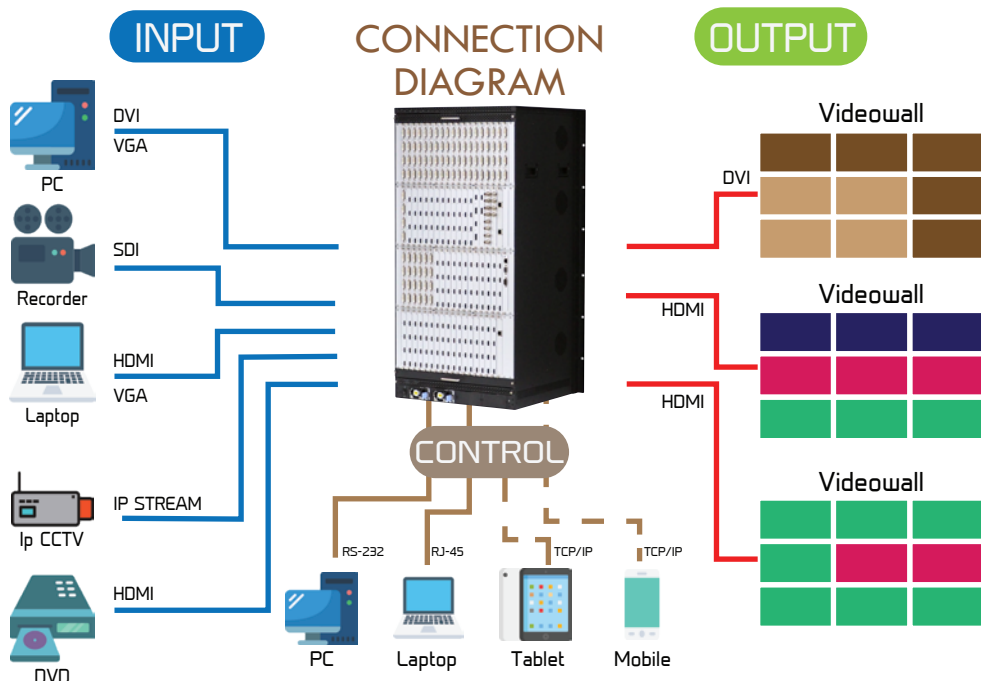
### Features

- Pure Hardware Structure - FPGA
- Modular Design - Hot swap
- Seamless Switching - Auto EDID - 5ms
- Bezel Compensation with Scaler
- Multiple users / rights management Character
- Superimposition, Scrolling Text (opt)
- Ultra HD Background Image (opt)
- Multiple video wall management
- Signal preview (opt)
- Support Redundant Power Supply (opt)



### SPECIFICATION

Chassis size	20U   440 x 400 x 890 mm	Resolution Input/Output	1280 x 720 @ 120 Hz - 8 Bit RGBA
Input Interface Port	4 - 164		1600 x 900 @ 60 Hz - 8 Bit RGBA
Output Interface Port	4 - 144		1920 x 1080 @ 60 Hz - 8 Bit RGBA
Interface Support	VGA / CVBS / YPbPr / SDI / IP		4092 x 2160 @ 30Hz - 8 Bit RGBA
(Input/Output)	HDBaseT / DVI / DP / HDMI/Fiber	Multiple Layers	Support - 2 Layers MPiP™
Control	IP / RS-232 / Touchscreen (Option)	Power Supply	100 ~ 240V, 50-60 Hz
		Temp / Humid	-20°C ~ +70°C / 10% ~ 90%



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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



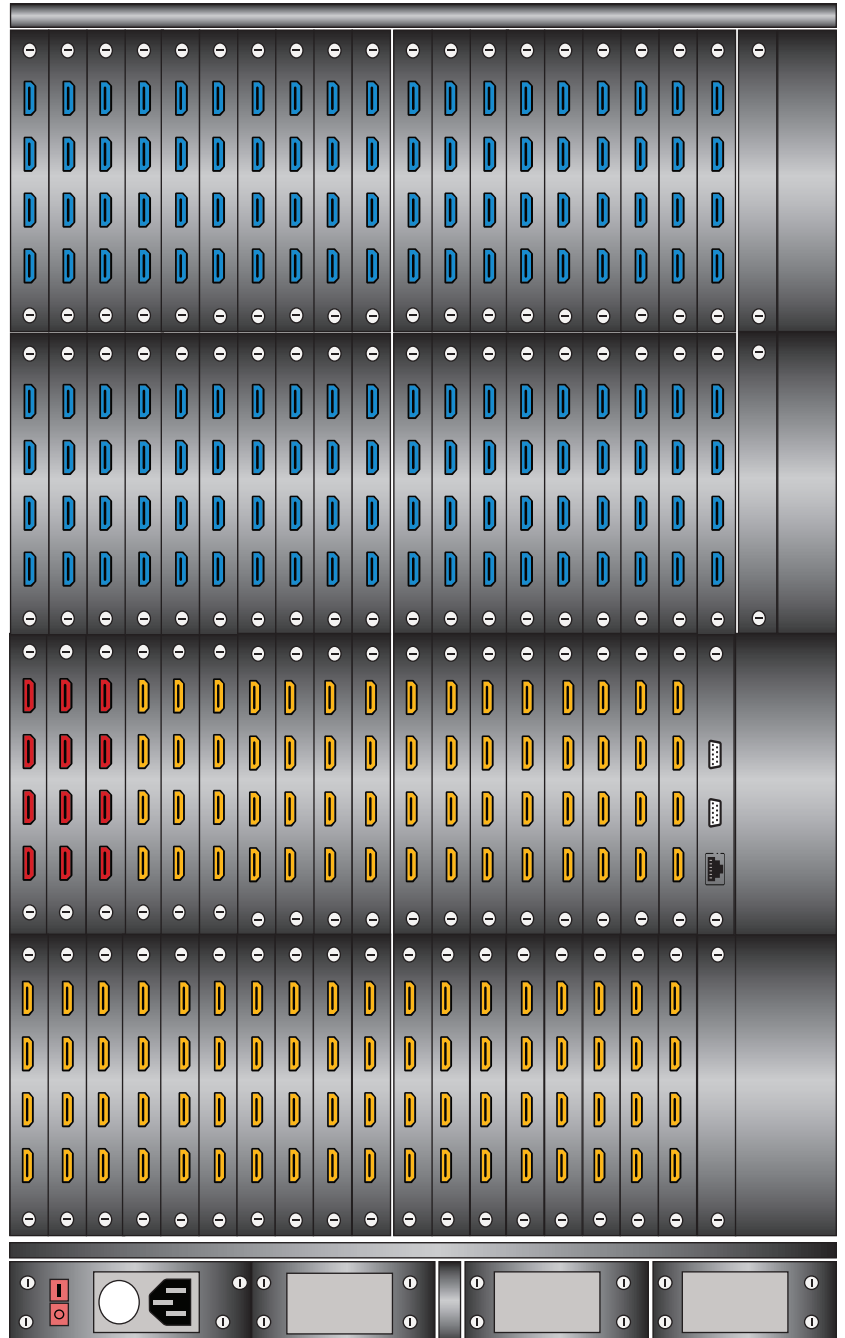
POWER MODULE



ETHERNET PORT



RS-232 PORT



ACVW20-152144	MAX INPUT	MAX OUTPUT
INPUT PORT	164	152
OUTPUT PORT	132	144