High-End

Video Wall Controller

ANGUSTOS

MULTIPLE LAYERS FPGA VIDEOWALL CONTROLLER

Hardware Based Design

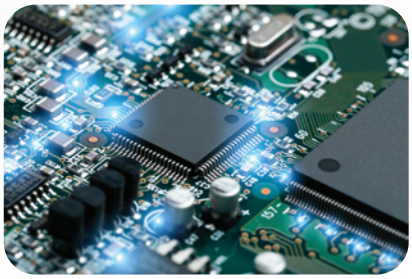
High performance video processing equipment with hardware architecture design.

- 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 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.

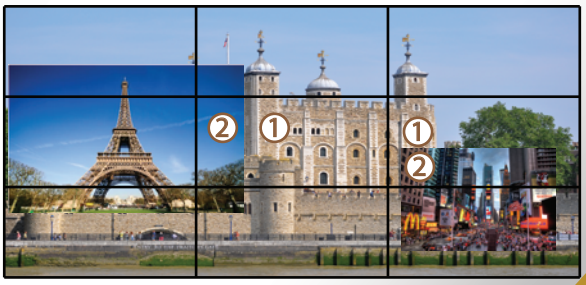
Without the use of PCI - Express card, the unit can work flawlessly when adding or editing the total layout of the videowall set up. As each of the FPGA chip is working independently, user can replace or add new input / output card without turning off the whole chassis.



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 integration.

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 4 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

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AVW4-CIN-4S

VIDEO WALL INPUT CARD
SDI Input card

Features

- ASIC video chipset
- Modular Design - Hot swap
- Seamless Switching
- Bezel Compensation
- SD/HD/3G SDI
- 1920 x 1080 @ 60Hz
- Image Cropping
- Character Superimpose
- CE / FCC / RoHS Complied
- Auto - Program EDID

SPECIFICATION

Protocol	BNC Female
Input Card Interface	4 channel input and 4 channel loop out
Resolution Support	1920 x 1080 @ 60Hz (Max)
Pixel Clock	165 / 340 MHz (Max)
Format	SD/HD/3G SDI
Control	Internal Bus with Chassis ASIC
Data Rate	10.2 Gbps (3.4Gbps per lane)
Clock Jitter	<0.15 Tbit
Rise time	<0.3Tbit (20%-80%)
Fall time	<0.3Tbit (20%-80%)
Max Delay	5 nano Second (nS) ±1nS
Signal Strenght	T.M.D.S. +/- 0.4Vpp
Singal Level	T.M.D.S. 2.9V min /3.3V max
Impedance	75 Ω
EDID	Default EDID - EDID Programming
Maximum DC bias	15mV
Signal Level	T.M.D.S 2.9V / 3.3V

Scaler	Built-in Scaler
Hot-swap	Support
Color Depth RGBA	8 bits per channel. Total 32bit/pixel
Standard	SMPTE424M,SMPTE292M and SMPTE259M
Weight	About 500g
Power Consumption	About 15W

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