

Vista Prime Series Video Wall Controllers



Video Wall Controller?



- Split a single image into parts to be displayed on individual screens
- Distribute input resources to anywhere at any size on video wall
- Create new windows on monitors

Video Wall Controller

Video Wall Controller

Video Wall Solution Provider



1. Signal Acquisition:

- VGA, DVI, HDMI, CVBS, DP, SDI, HDbaseT, IP-Video, Fiber etc.
- 800x600, 1366x768, 1400x900, 1920x1080, 4K and customized resolution

2. Control via:

- RS232
- Network

3.Functions:

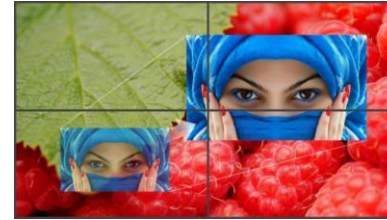
- Support 2/4 windows on each screen
- Support roaming, PIP, zooming in/out, stretching, scene switch



Support roaming



PIP



Zooming in/out



Stretching



Scene switch

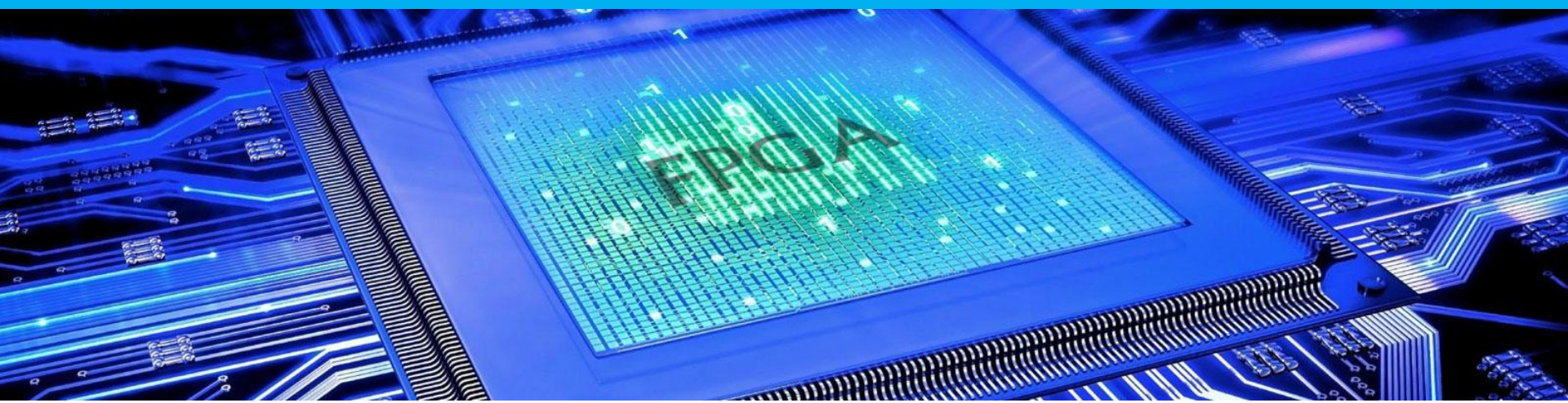
Flexible Windows Layouts

Features

Video Wall Solution Provider



2.Features



High Availability and Reliability

FPGA Self Calculation Mechanism

Pure hardware FPGA design, excellent image processing performance. **No build-in operating system**, No crashes IPC devices, and hardware conflicts, blue screen, computer virus problems. High stability of equipment operation, **MTBF**(Mean Time Between Failure)**> 50,000 hours**.

High Availability and Reliability

Features

Video Wall Solution Provider



Powerful Processing

- Up to 72x 1080P input
- Up to 72x 1080P output
- Input resolution up to 3840x2160@30Hz
- Output resolution up to 1920x1080@60Hz

Crosspoint Transmission Technology

Each signal source uses exclusive channel to ensure real-time transmission with 60 frames / sec.



Windows Base

VS



Cross Point

Powerful Processing

Features

Video Wall Solution Provider



Modular Design

- Flexible Configuration, Expandable and easy Maintenance.
- You pay what you need



Modular Design

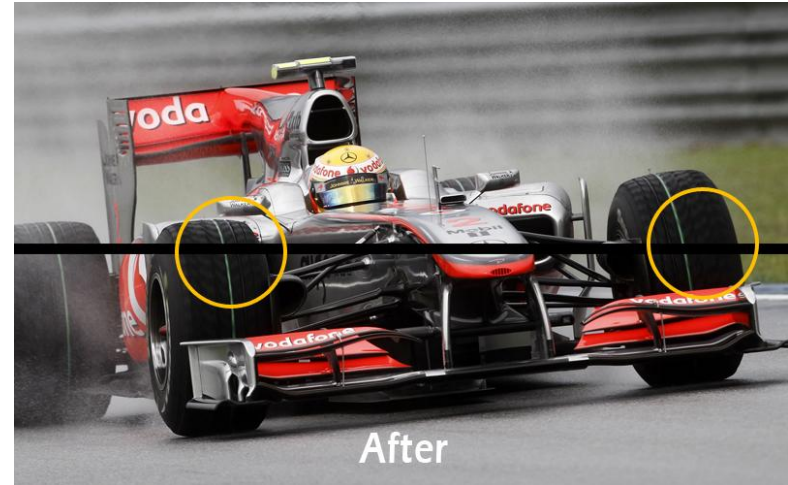
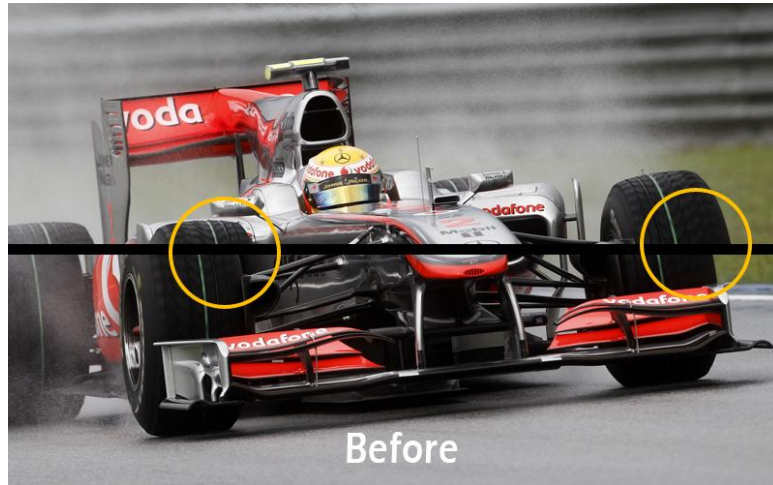
Features

Video Wall Solution Provider



Frame Synchronization Technology

Multiple output ports frame synchronization, avoiding frame splitting problem triggered by LCD and DLP.



No Frame Tearing

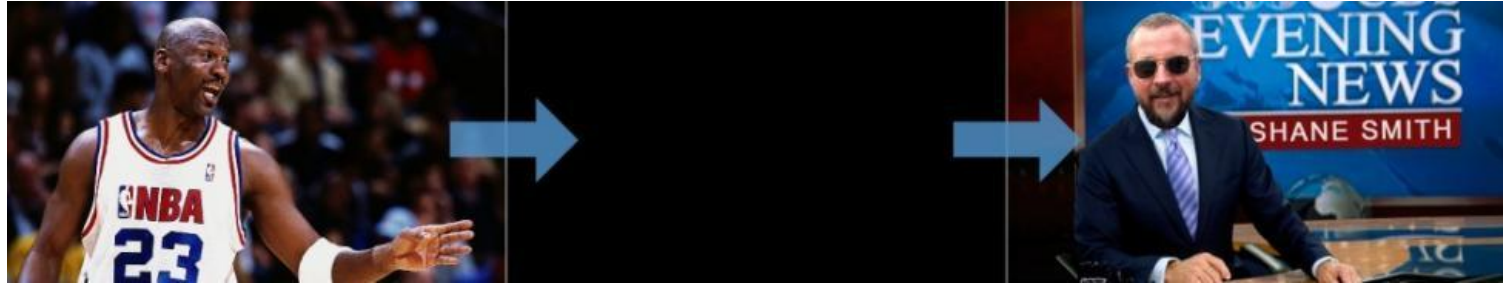
Frame Synchronization Technology

Features

Video Wall Solution Provider



Seamless Switching



Seamless Switching

Features

Video Wall Solution Provider



Output Synchronization

The delay time of signal source is less than 100ms



Output Synchronization

Features

Video Wall Solution Provider



EDID Editing

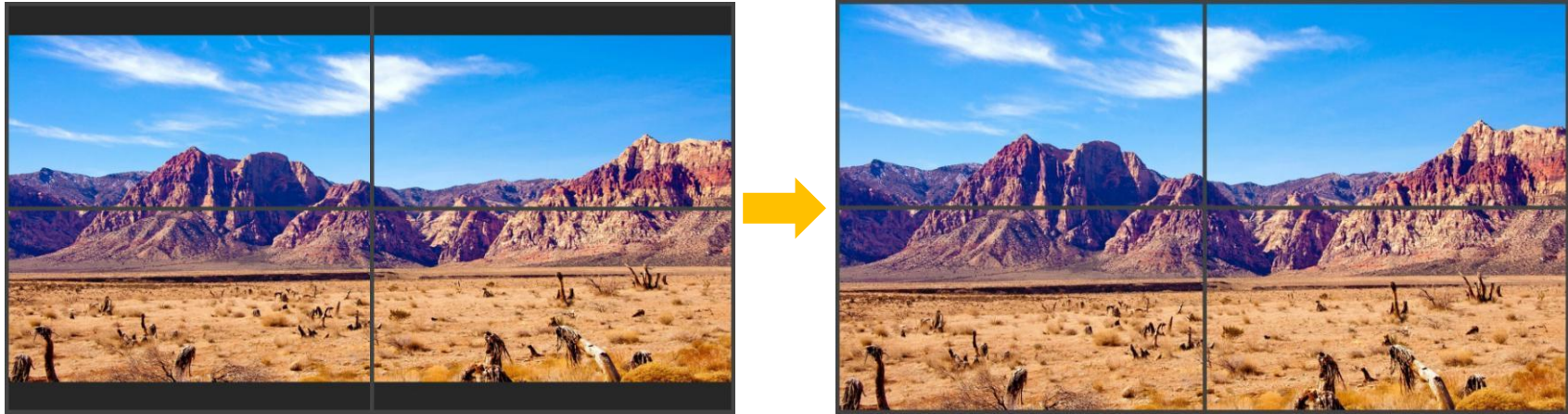


Support EDID (Extended Display Identification Data,) to read, modify, customize, greatly improves the input signal source compatibility, enabling the device input interface can be adapted to a variety of conventional and unconventional applications occasion

EDID Editing

Features

Image cropping



- Supports arbitrary cropping by pixel
- Detail enlargement

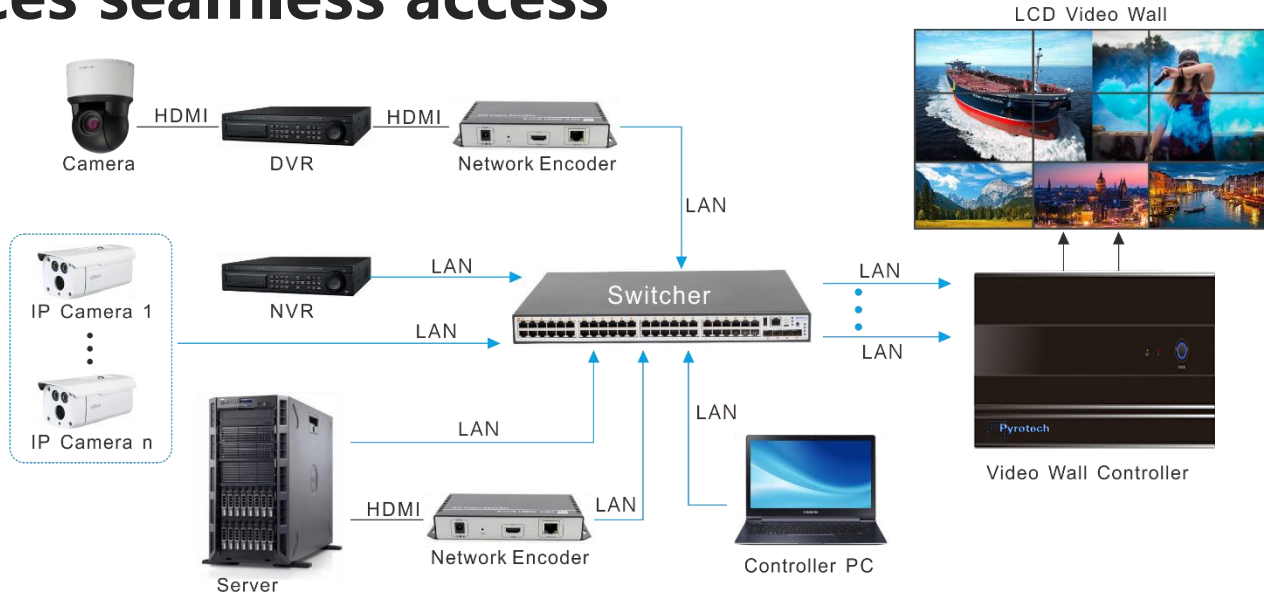
Image cropping

Features

Video Wall Solution Provider



IP devices seamless access



- ① IP-Camera network video signal access
- ② Network camera signal 1/4/9/16 screen split, independent operation of each window, H.264 standard IPV stream for security systems
- ③ PC / SDI signal network coding, for recording and broadcasting, real-time view

Intelligent Central Control System

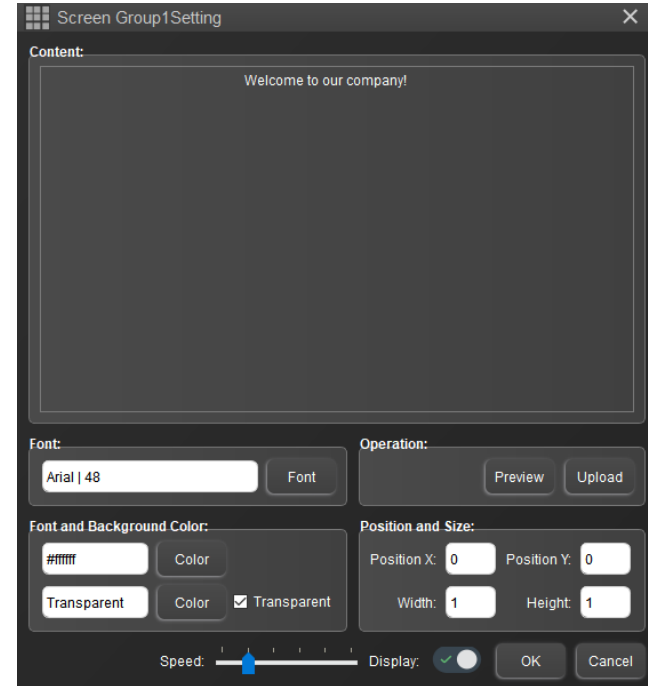


Control4

- Support Crestron, AMX, Control4 or any other central control system

Central control

Scrolling Text



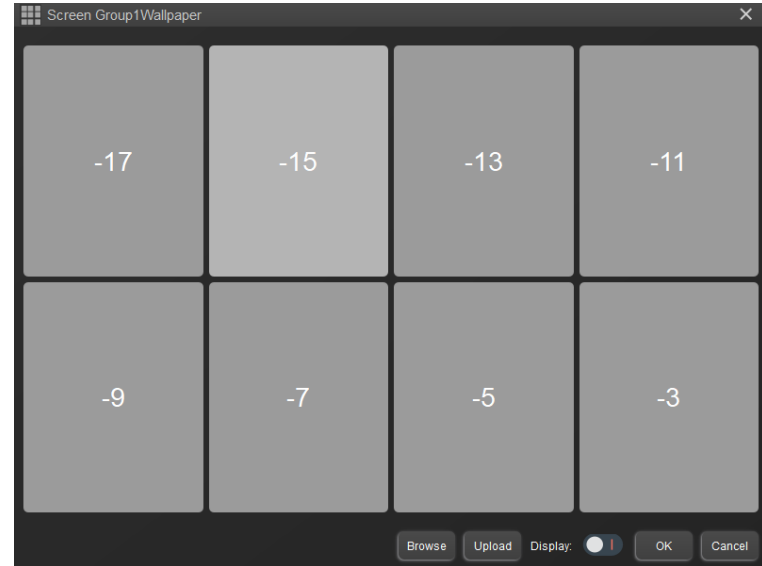
Scrolling Text

Features

Video Wall Solution Provider



Wallpaper



Scrolling Text

Features

Video Wall Solution Provider



Multi-group control (LED Support Directly)



LCD



LED



DLP



Projector

Multi-group control

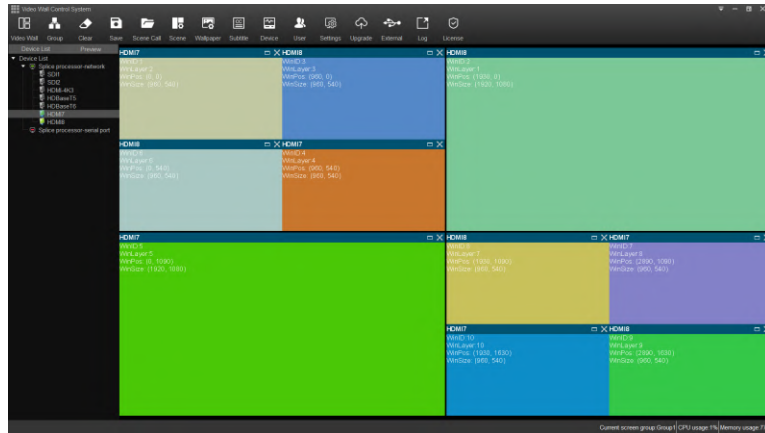
Features

Video Wall Solution Provider

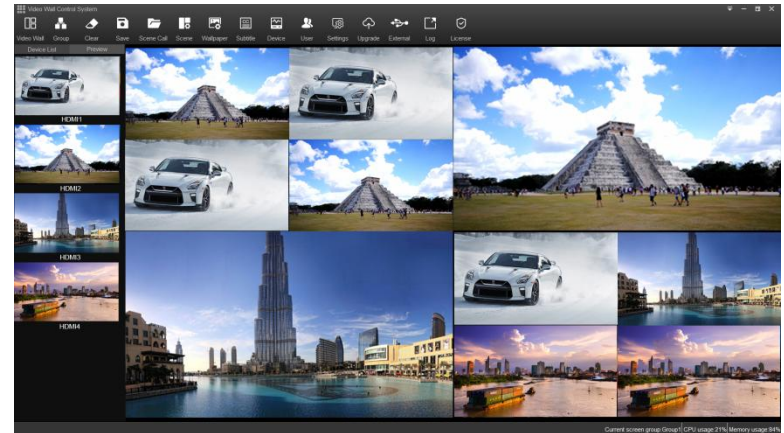


Visual Operation

Before



Now



Real time previewing signal content via control software (Optimized performance requirement)

Visual Operation

Software Functions

Video Wall Solution Provider



Specification

| Vista Series | VP4U | VP5U | VP9U | VP13U |
|---------------|------|------|------|-------|
| Chassis | 4U | 5U | 9U | 13U |
| Control Card | 1 | 1 | 1 | 1 |
| Input Slot | 4 | 9 | 18 | 36 |
| Max HD Inputs | 8 | 18 | 36 | 72 |
| Output Slots | 4.5 | 9 | 9 | 18 |
| Max Wall Size | 18 | 36 | 36 | 72 |
| PSU | 1+1 | 1+1 | 1+1 | 2+2 |

Specification

Specification

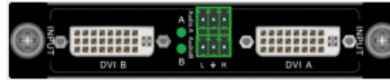
Video Wall Solution Provider



Input Cards



Dual-Channel HDMI Input Card



Dual-Channel DVI Input Card



Dual-Channel VGA Input Card



Single-Channel 4K HDMI Input Card



Dual-Channel HDBaseT Input Card



Dual-Channel SDI Input Card



Single-Channel 4K DP Input Card



Single-Channel IP Decoding Input Card

Input Cards

Specification

Video Wall Solution Provider



Output Cards



Dual-Channel DVI Output Card



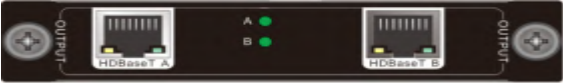
Dual-Channel HDMI Output Card



Quad-Channel DVI Output Card



Quad-Channel HDMI Output Card



Dual-Channel HDBaseT Output Card

Output Cards

Specification

Video Wall Solution Provider



Markets



Convention Center



Live Center



Surveillance Center



Command Center

Thanks!