

# PONTUS VIDEO WALL CONTROLLER



## New Structure, High Performance

Pontus video wall controller is a new high-performance video image processing workstation with pure hardware architecture and free of operating, which can display multiple dynamic images on multiple screens and realize the function of multi-window splicing. The processing mechanism of large capacity, high-speed FPGA and CrossPoint switch, ensure real-time processing of all input signals and data consistency. at the same time, it has high stability and fast start-up speed and supports 365 x 24 hours of uninterrupted and stable operation.

## Features



### LED special splicing

The high-performance splicing processing system supports the splicing of irregular LED modules to realize the high-quality splicing effect of screen pixels.



### Network streaming media decoding

Support H.264/AVC and H.265/HEVC hard decoding, and can be connected with various brands of IPC and encoders in the network to decode.



### Picture roaming

Each window can roam freely in the output screen and can be displayed on any one or more large screens. There is no boundary limit on the area of the screen display.



### Seamless switching

Each output channel can be configured with the same or different resolutions, so that different display screens can achieve better quality display effects.



### Signal source cropping

It supports the function of signal cropping, more flexible control of picture, which can solve the problem of black edge of signal, also can realize local amplification.



### Mobile control

Support mobile terminal control, real-time preview of all signals on mobile terminal equipment, realize what you see is what you get.



### Screen split display

It supports the function of screen division and display, and each output channel can perform multi-screen division and display.



### Picture overlay

The hierarchical relationship and layout position of each picture can be customized arbitrarily, without being constrained by the size of the image space.



### Character superposition

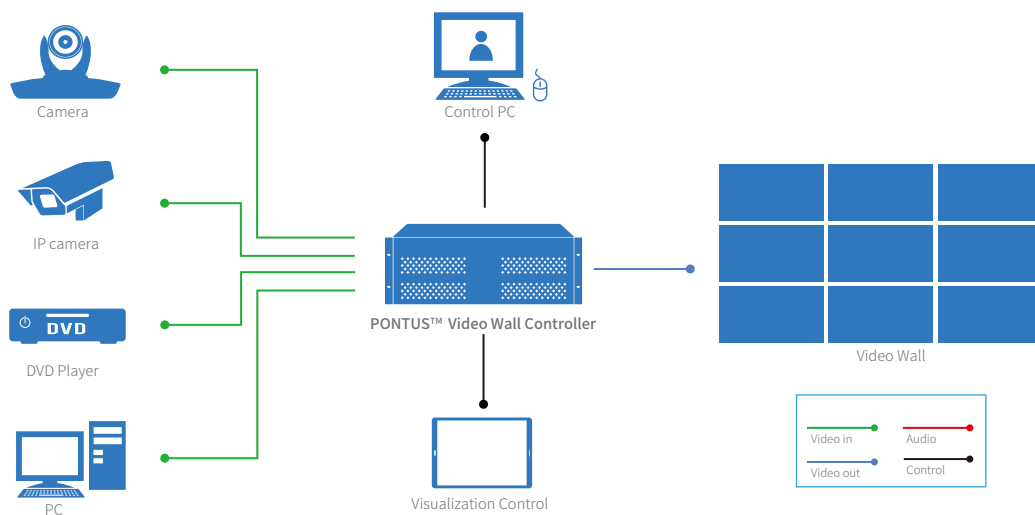
It supports character overlay settings for each signal source, and can modify the position, font size, front and background colors of characters.



### Scene Save and Read

It supports the saving and calling of scenes, automatic timing round-robin of scenes, can select whether scenes participate in automatic round-robin or not.

## Diagram



## Specification

Input Card	Description		
HDMI	HDMI input card, support HDMI 1.3, maximum resolution 1920*1200@60Hz		
DVI	DVI input card, maximum resolution 1920*1200@60Hz		
H.265 Decoder card	Contains two RJ45 interfaces, supports 4 decoding channels, each channel supports 1 channel 1080P @60Hz, 4 channels 1080P@30Hz, 9 channels 720P@30Hz		
Analog card	VGA+CVBS combination card, supports 2 VGA input and 8 CVBS input. VGA resolution can reach 1920*1200@60Hz, CVBS supports resolution 720*576		
Output Card	Description		
HDMI	HDMI Output card, support HDMI 1.3, maximum resolution 1920*1200@60Hz;		
DVI	DVI Output card, maximum resolution 1920*1200@60Hz;		
Chassis	Description	Size(L*W*H)	Power
1.5U	2 input card slots, 2 output card slots	440/482 (W) x 320 (D) x 66 (H)	100-240VAC, 50-60Hz, <100W
3U	4 input card slots, 4 output card slots	440/482 (W) x 320 (D) x 130.5 (H)	100-240VAC, 50-60Hz, <200W
5U	8 input card slots, 8 output card slots	440/482 (W) x 320 (D) x 219.4 (H)	100-240VAC, 50-60Hz, <550W