



VW 900 Series

Video Wall Controller

AVEEN VW

POWERFUL VIDEO WALL CONTROLLERS

# AW 900 Series LED Video Wall Controller



Powerful Videowall Controller

## Overview

VW 900 series is a powerful video wall controller, it is the central processor device for big screen splicing system, to achieve different formats input sources to be displayed in multiple display terminals, functions include arbitrary splice, zooming, windows, overlap, etc. It adopts high speed FPGA and number bus matrix as the basic hardware structure, and has laid a stable advantage, at the same time it adopts RGB 24 BIT/60Hz real time processing internally, ensuring signal high reduction performance; the internal high performance zooming engine supports multi-screen output seamless splicing, ensuring output image clear, smooth, no delay. Depth module design supports AV, VGA, DVI, HDMI, SDI, IP, DP(4K) inputs, to achieve input signal EDID management. Output customized resolution is for all kinds of LED pixel to pixel splicing display. All series products are equipped with after sales support module, supporting USB upgrade and network, RS232 serial port control, convenient for technical support and after sales maintenance. System configuration is flexible, the input and output is available for different choices, currently 3U,4U,8U cabinets are for choosing. VW 900 series is widely used in multi-media conference hall, multi-function room, directing and dispatching center, inspection center, theater, television studio, exhibition hall in government, traffic, hydropower, medicare, education, radio and television, malls and various industries.

## Main Features

- Pure hardware build-ups
- 4 separated layers per output
- Over 8 times scaling
- Splice LED Wall of Different Pixel
- Pitch Internal 24 bit RGB processing
- 60Hz Real Time Processing
- Input EDID
- 4Kx2K Input
- Real Time Seamless Switching
- Layer Grouping
- Layer Seamless Switching
- 9 Window Output per Channel
- Easy Change for the Window's
- Size and Position
- Full Screen Roaming
- Customized Output Resolution
- Input/Output Monitoring
- High Definition Background of
- Pixel to Pixel Display Dual Power
- Supply Backup
- Operation's Real Time Monitoring
- Real Time IP Monitoring
- Projector Edge Blending Splicing

## Main Features

3 control modes includes computer host control, I pad control, and key control. Computer host control: Achieved by connecting the machine with a computer via network cable or RS232 cable. Any operation will be done through the host software. I pad control: Achieved by the software designed for I pad. Key control: To control and select all the template manually.

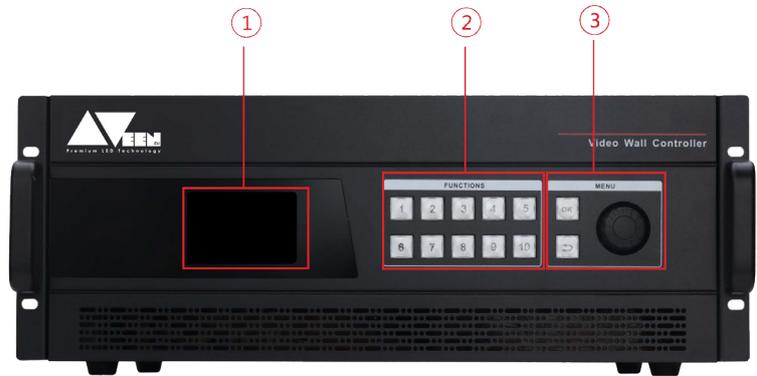
## Operating Interface



Computer Host Interface

IPAD Interface

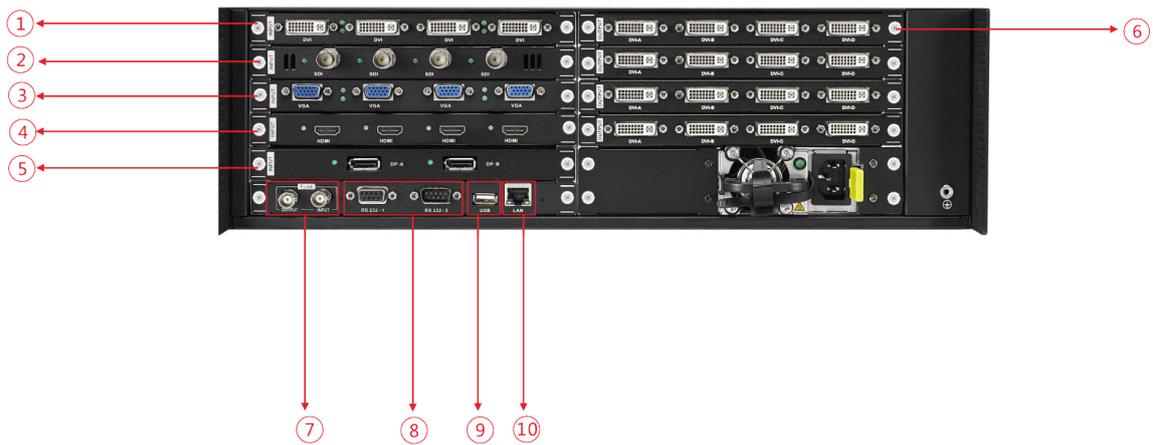
# Front and Rear Panel Introduction



1--LCD Screen:  
display the machine's status information, including input/output board, hardware version, temperature, network setting, etc.

2--Functions Button:  
Button 1- 10 are for machine's setting like IP, subnet mask, mode shifting.

3--Menu Operation:  
"OK", "←" and the Rotate key are used to read the menu on the LCD screen.



1 - 4 x DVI inputs  
2 - 4 x DVI inputs, 2 x VGA inputs  
3 - 2 x SDI inputs

4 - 4 x VGA inputs  
5 - 4 x SDI inputs  
6 - 4 x SDI inputs

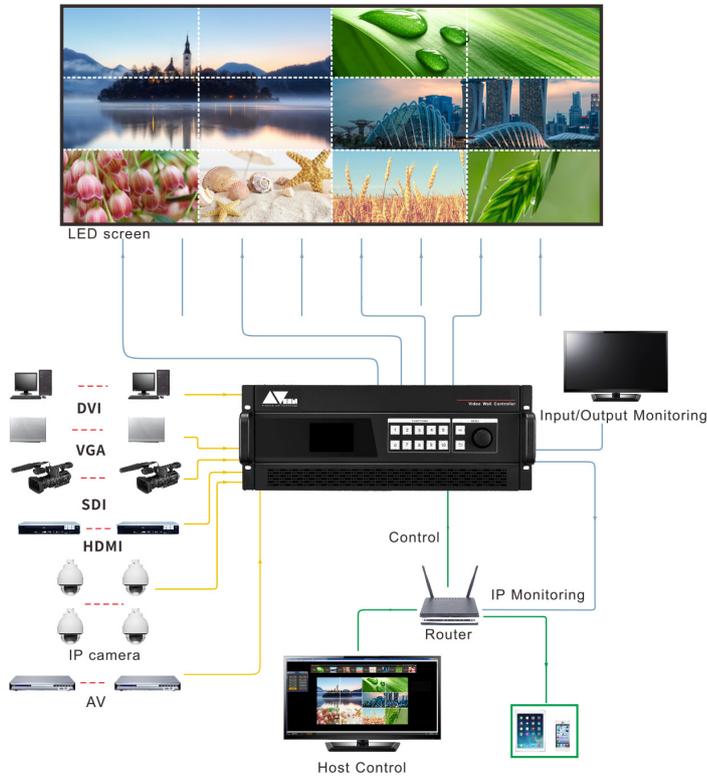
7 - 4 x HDMI inputs  
8 - 2 x IP monitoring  
9 - 2 x DP inputs

10 - 4 x DVI outputs  
11 - IP monitoring  
12 - Frame lock plugs

13 - RS 232 Control Port  
14 - USB Upgrade Port  
15 - LAN

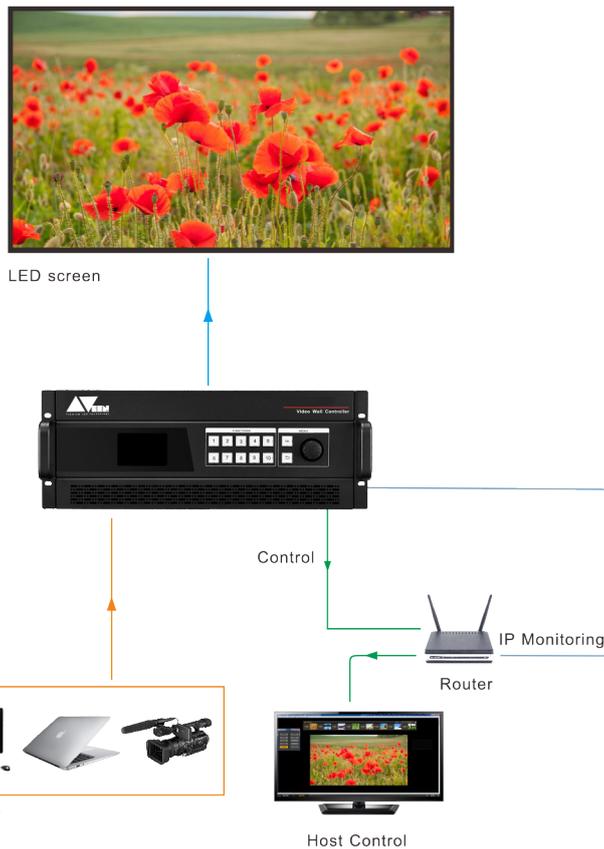
# Main Characteristics and Application

## HIGH RESOLUTION LED AND SPLICING



### High resolution LED wall splicing

High resolution LED Wall splicing will be realized with corresponding sending cards and the machine's output customization. One 4U chassis machine supports 32 times splicing at most. One 3U chassis machine supports 16 times splicing at most. No frame drop and image tear. Supports 4Kx2K DP input and high resolution pixel-to-pixel display.



### IP Monitoring

By connecting the network control port, the IP monitor and the host computer into one local area network, it is able to monitor all the input and output by the host software.

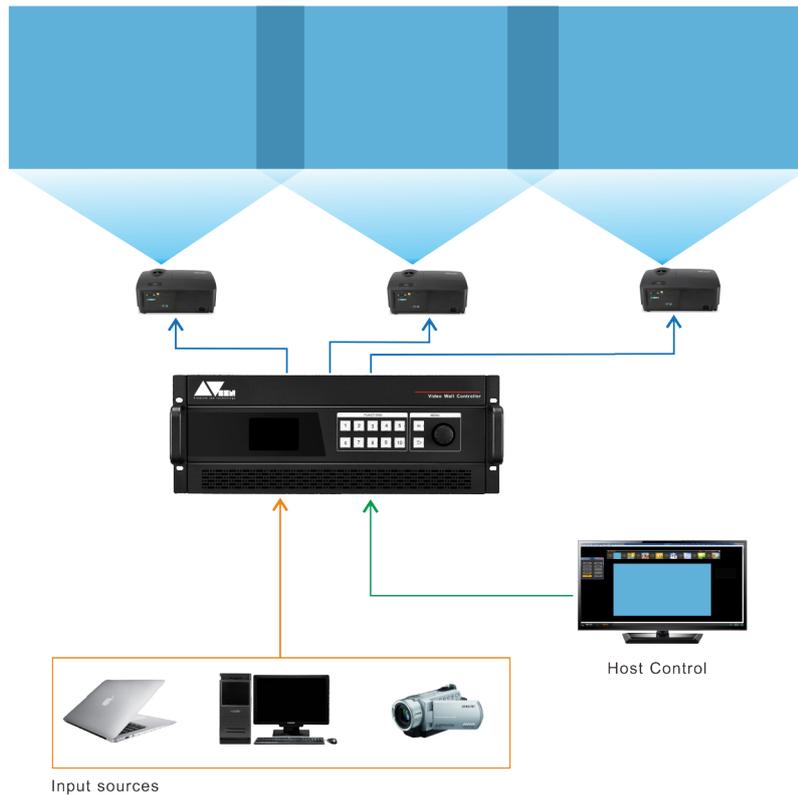
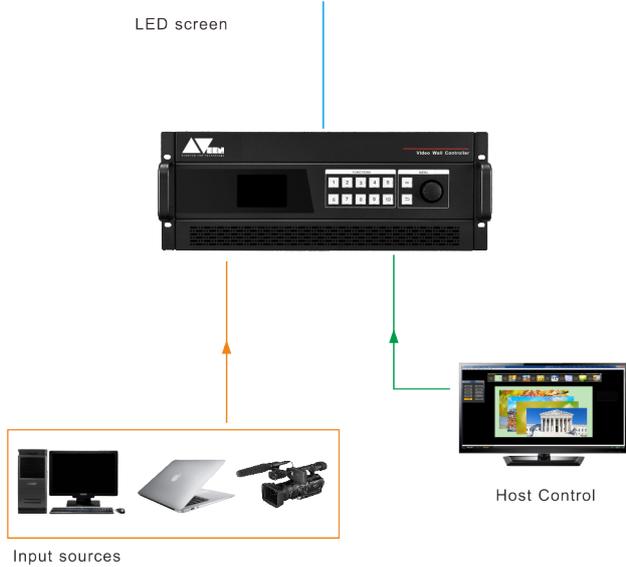
# Main Characteristics And Application

## 4 INDEPENDENT LAYERS OUTPUT BY SINGLE CHANNEL



### 4 independent layers output by single channel

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### Projector edge blending splicing

One 4U case controller supports 32 projectors splicing at most; one 3U case controller supports 16 projectors splicing at most. Size, position and other parameters of the blending part can be changed via edge blending function.

# Chassis Specifications

## AVeen VW 904



Chassis Type	Input slots quantity	Output slots quantity	Control board quantity
AVeen VW 904	6	6	1

<b>Power supply</b>	100-240V AC 50/60Hz		
<b>Power consumption</b>	Maximum 180W		
<b>Operation temperature</b>	0-45C		
<b>Product dimension (L x W x H)</b>	482.6 x 371.0 x 177.0 mm		
<b>N.W.</b>	11 kg		

### INCLUDING ACCESORIES

Provided Accesories:

- User Manual x 1
- DVI Cable x 2
- LAN x 2
- USS Memory x 1
- Router x 1
- VGACable x 1
- Power Cable x 2
- Certificate x 1

## Chassis Specifications (AV input board is not accepted in 8U chassis)

### AVeen VW 908



Chassis Type	Input slots quantity	Output slots quantity	Control board quantity
AVeen VW 908	9	11	1

<b>Power supply</b>	100-240V AC 50/60Hz
<b>Power consumption</b>	Maximum 650W
<b>Operation temperature</b>	0-45C
<b>Product dimension ( L x W x H)</b>	482.6 x 355.0 x 430.5mm
<b>N.W.</b>	18.85 kg

### INCLUDING ACCESORIES

Provided Accesories:

User Manual x 1	Router x 1
DVI Cable x 2	VGA Cable x 1
LAN x 2	Power Cable x 2
USS Memory x 1	Certificate x 1

## I / O Cards

### Input Cards

<b>Card VGA</b>	<b>Description</b>	<b>Aveen Part number</b>	<b>Ports</b>	<b>NO.</b>
Input Card VGA	4 Channel VGA Input Card	VW 900-INVGA	VGA	4
Input Card DVI	4 Channel DVI Input Card	VW 900-INDVI	DVI	4
Input Card HDMI	4 Channel HDMI Input Card	VW 900-INHDMI	HDMI	4
Input Card SDI	4 Channel SDI Input Card	VW 900-INSDI	SDI	4
Input Card DP	2 Channel DP Input Card	VW 900-INDP	DP	2
Input Card IP	2 Channel IP Input Card	VW 900-INIP	IP	2
Input Card SDI, VGA	2 Channel SDI, 2 Channel VGA Input Card	VW 900-INSDIVGA	SDI, VGA	2 SDI, 2 VGA

### Output Cards

<b>Card</b>	<b>Description</b>	<b>Aveen Part number</b>	<b>Ports</b>	<b>NO.</b>
Output Card DVI	4 Channel DVI Output Card	VW 900-OUTDVI	DVI	4

#### Head Quarters

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