VW-815

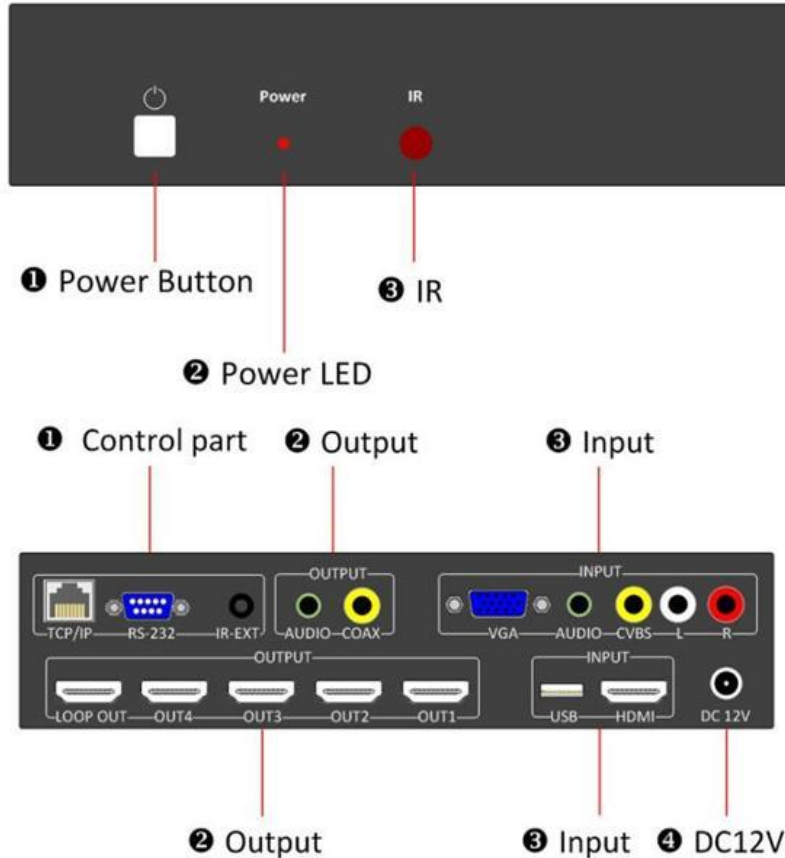## Expandable Video-Wall Controller *with* HD, VGA, CVBS, USB input sources

The VW-815 Video Wall Controller is a perfect solution for entertainment and Digital Signage applications in retail outlets, clubs, trade shows, control centers, building lobbies, and other similar venues. It accepts multiple input video sources, such as HD, VGA, Composite Video (PAL/NTSC) as well as USB disk. One VW-815 unit provides 5 x HD output ports that can support 1x2, 1x3, 1x4 (Landscape and Portrait), 2x1, 3x1, 4x1, 2x2 video-wall configuration. Two VW-815 units can be cascaded for 9 x HD output ports to support 2x3, 3x2, 2x4, 4x2, 3x3 video-wall. Its versatile bezel compensation ability can accommodate any display bezel width. All the operation and control can be done through IR, Ethernet and RS-232.

Features

❖ Compliant with HD1.3a, DVI1.0;
❖ Support HD/VGA/CVBS input video, and USB movie, picture, music playback;
❖ Support 5 x HD outputs for one local full image output + 2x2 Video-Wall.
❖ Two units can be cascaded to 9 x HD outputs for 3x3 Video-Wall mode;
❖ Support adjustable Bezel Correction;
❖ Support IR, Ethernet and RS232 controls;
❖ Advanced video De-interlace for improving 480i and 576i SD video input;
❖ Support Input Sources:
   CVBS: PAL, NTSC, SECAM with stereo audio input;
   VGA: 640x480 ~ 1920x1080, all in 60Hz with stereo audio;
   HD: 1080p@50/60Hz, 1080i@50/60Hz, 720p@50/60Hz, 576i/p, 480i/p;
   USB: Media files play;
❖ Output resolution adjustable;

Front / Back View and IR Remote Control

❶ Power Button   ❸ IR
❷ Power LED

❶ Control part   ❷ Output   ❸ Input

❷ Output   ❸ Input   ❹ DC12V

① Press this button to power on the VW-815 or set it to standby mode.

② Press this button for rotate 90° screen, only for 1x2, 1x3, 1x4 modes.
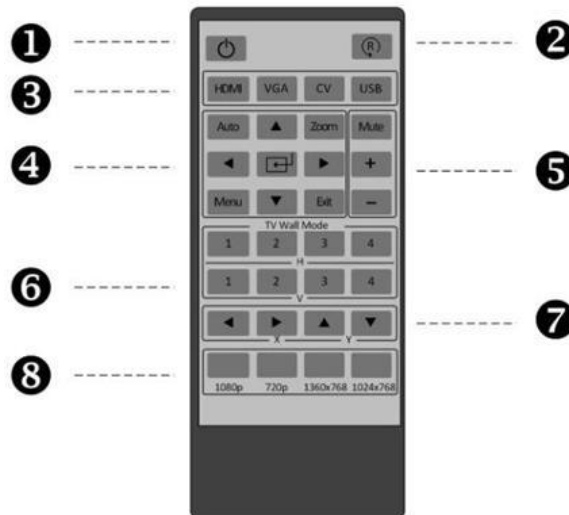
③ Input Sources select button.

④ **AUTO** button for VGA input auto adjustment;

ZOOM button for all input sources zoom in and zoom out. The other buttons for USB input source control function.

⑤ Buttons for Audio output volume adjustment function, (include HD, Coaxial and analog audio output).

⑥ Video-Wall mode selection: such as 2x2 mode, press "**H**" towards "2", then press "**V**" towards "2".

⑦ Bezel correction: set the bezel size of the images in zoom-in model, to make the whole image looks coherently.
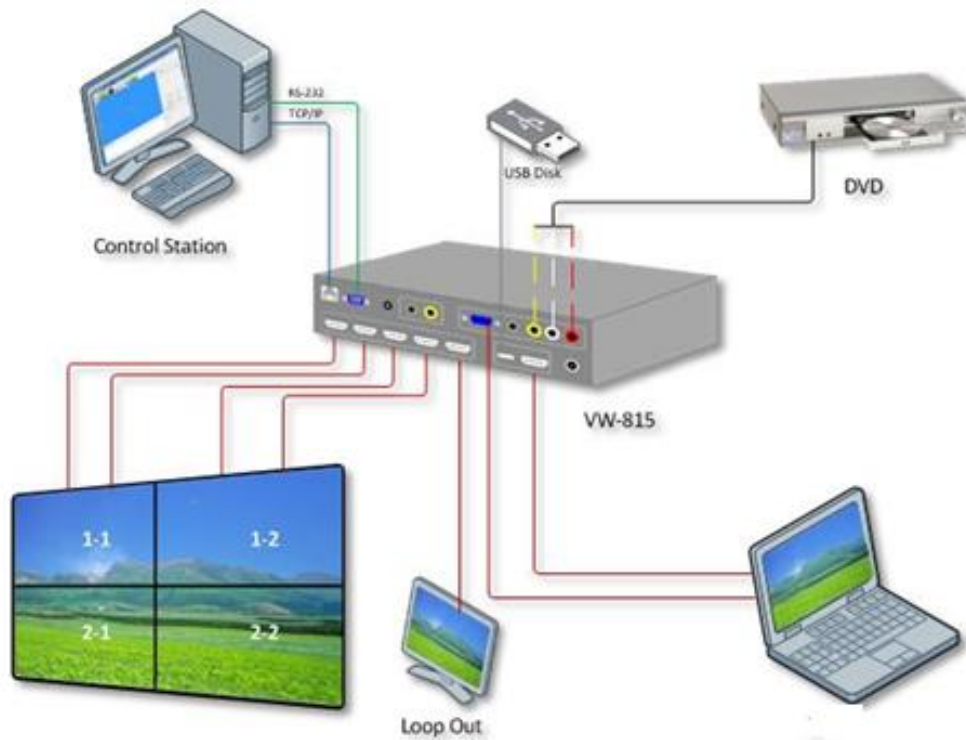
⑧ Output resolution selection.

Specification

Model		VW-815
Connectors	HD In	1 (Female)
	VGA with Audio In	1 (DB-15 Female) + 1 (3.5mm Audio Jack)
	CVBS with Audio In	1 x RCA + 1 x L/R (RCA)
	USB In	1 (for Media files play)
	HD Out	5 (Female)
	Audio Out	1 x 3.5mm Stereo + 1 x Coaxial Out (5.1 Channels)
	IR Receiver	1
	IR Ext	1
	RS-232	1
	TCP/IP	1
Video Bandwidth		225MHz[6.75Gbps]
Input Resolution		CVBS: PAL, NTSC, SECAM with stereo audio input. VGA: 640x480, 800x600, 1024x768, 1280x1024, 1280x720, 1360x768, 1440x900, 1680x1050, 1920x1080, all in 60Hz with stereo audio input. HD: 1080p@50/60Hz, 1080i@50/60Hz, 720p@50/60Hz, 576i/p,480i/p, 640x480, 800x600, 1024x768, 1280x1024, 1280x720, 1360x768, 1440x900, 1680x1050, 1920x1080, all in 60Hz. USB: MPEG, H.264, RM/RMVB movie decode, JPEG, BMP, PNG Picture, MPEG1/2, MP3
Output Resolution		1024x768, 720p, 1360x768, 1080p
ESD Protection		Human Body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)
Power Supply		DC 12V 2.5A (US/EU/UK, CE/FCC/UL certificated)
Power Consumption		7.5W
Environment	Operating Temp.	0~40°C
	Storage Temp.	-20~60°C
	Humidity	20~90% Non-condensing
Physical Properties	Housing	Metal (Black)
	Weight	1050 g
	Dimensions	250 (L) x 118 (W) x 32 (H) mm

Connection Diagram

One VW-815, Support 1x2, 1x3, 1x4, 2x1, 3x1, 4x1, 2x2 Mode

Two VW-815 cascaded (9 x HD outputs): Support 2x3, 3x2, 2x4, 4x2, 3x3