



VW-1021

10-Display Videowall Processor

User's Manual



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1. Overview

VW-1021 is designed to be a truly in/out modular video wall processor, to capture, AD convert, route, distribute all-format signal to multiple video wall, including LCD TV,DID, DLP, Plasma, etc., while maintaining a true digital signal.

VW-1021 with many different video interfaces, include HDMI, VGA, AV, and it can decode video (like RMVB), audio (like MP3), Photo (like JPG) by itself through USB interface. Each video with audio can be switched together. Output HDMI interface, resolution is 1080P or 720P, chosen by user.

VW-1021 can be controlled by remote, button and RS-232.

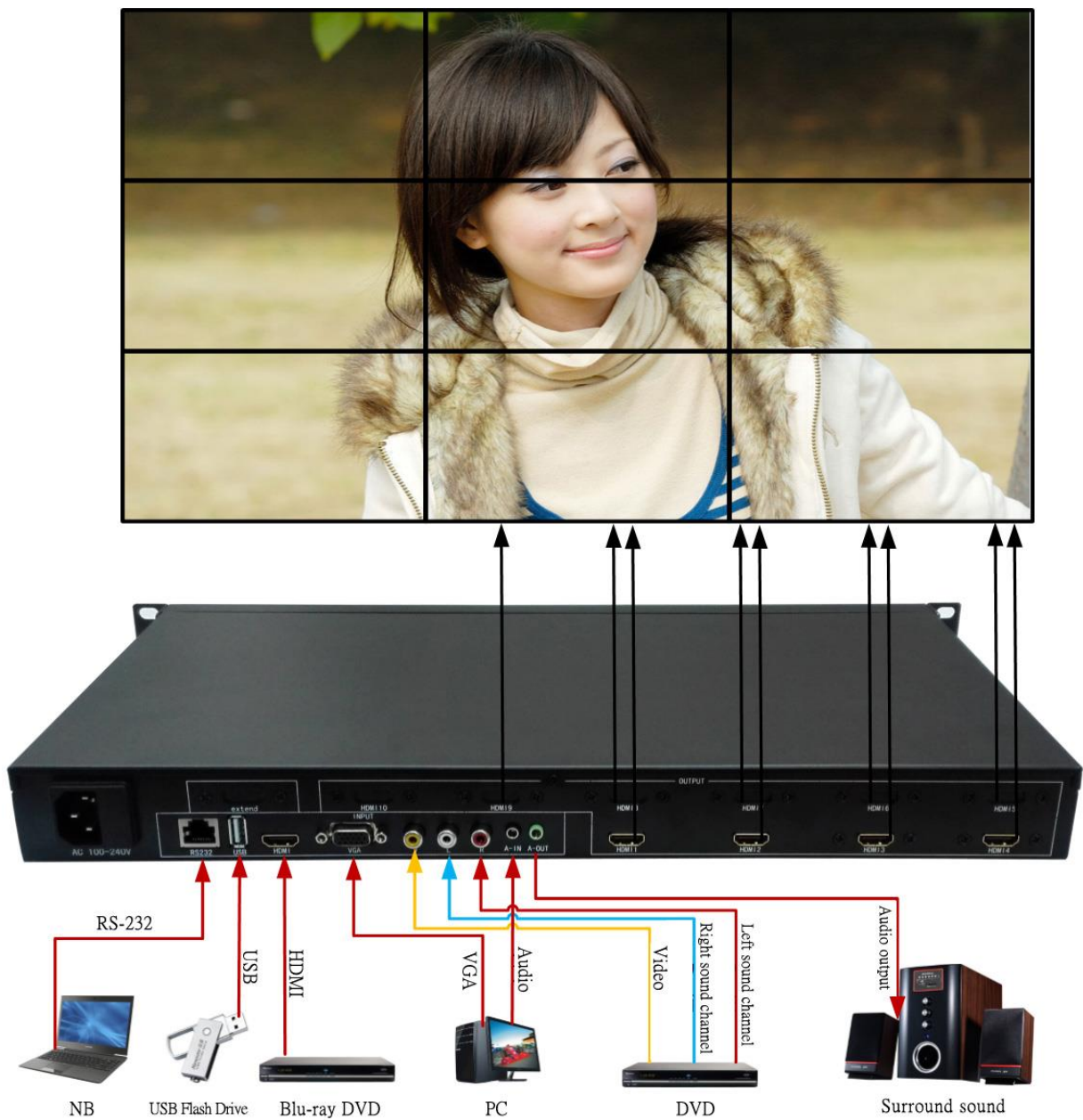
2. Specification

Name	Specification
HDMI input	
Interface	HDMI (support HDCP1.3 and DVI1.0)
Resolution	Up to 1920*1080
Color	24bit,16.77M
VGA input	
Interface	DB15
Resolution	800*600 to 1920*1080
AV input	
Interface	RCA
Identification	Auto
Standard	PAL,NTSC
USB	
Video	RM、RMVB、AVI、WMV、MOV、MP4、FLV、MPG、DAT、MPEG
Audio	MP3、WMA、FLAC
Picture	JPG、BMP、PNG
Audio in	Fit for VGA video
Audio output	Fit for output video
HDMI output	720P or 1080P
Controller	Remote,button,RS-232
Power	Input: AC 100-240V
Dimension	441mm(L)x239mm(W)x44mm(H)

3. Key Features

1. Truly in/out modular design--- truly concept modular, in/out boards
2. All-format signal capture--- including composite video, VGA, DVI, HDMI etc.
3. Fully-digital processing channel inside --- Built-in conversion for analog/digital, interlaced/progressive, resolution, aspect ratio and refresh rate.
4. Individually supports 180° rotation
5. Easy maintenance--- suitable for all environment
6. Various control port---RS-232, remote controller, front panel.
7. HDCP compliant---HDMI 1.3, HDCP protection
8. Support DVI1.0

3. System Topology (3*3 Video wall as a sample)



HDMI1	HDMI2	HDMI3
HDMI4	HDMI5	HDMI6
HDMI7	HDMI8	HDMI9

5. Front panel controller



Switch: Unit display or Mosaic display

Menu: To the menu, and then you can choose by up/down/left/right

Left: Audio volume decrease

Right: Audio volume increase

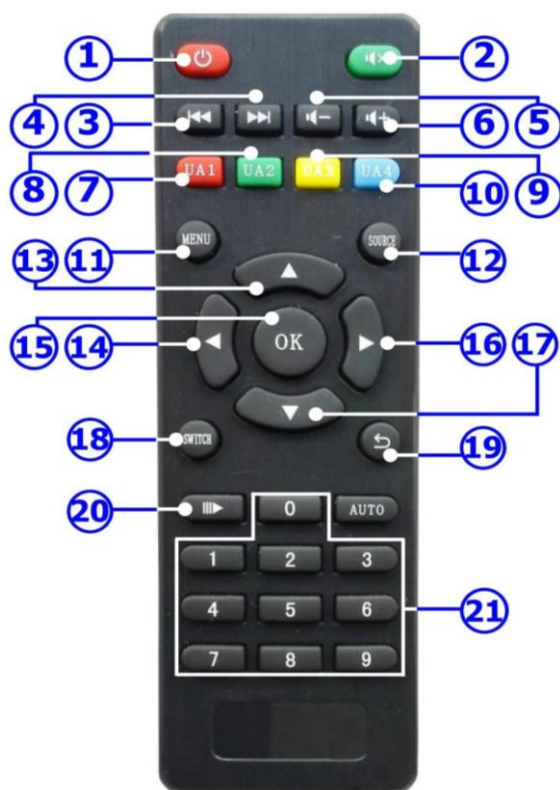
HDMI: Change to HDMI source

VGA: Change to VGA source

VIDEO: Change to video source

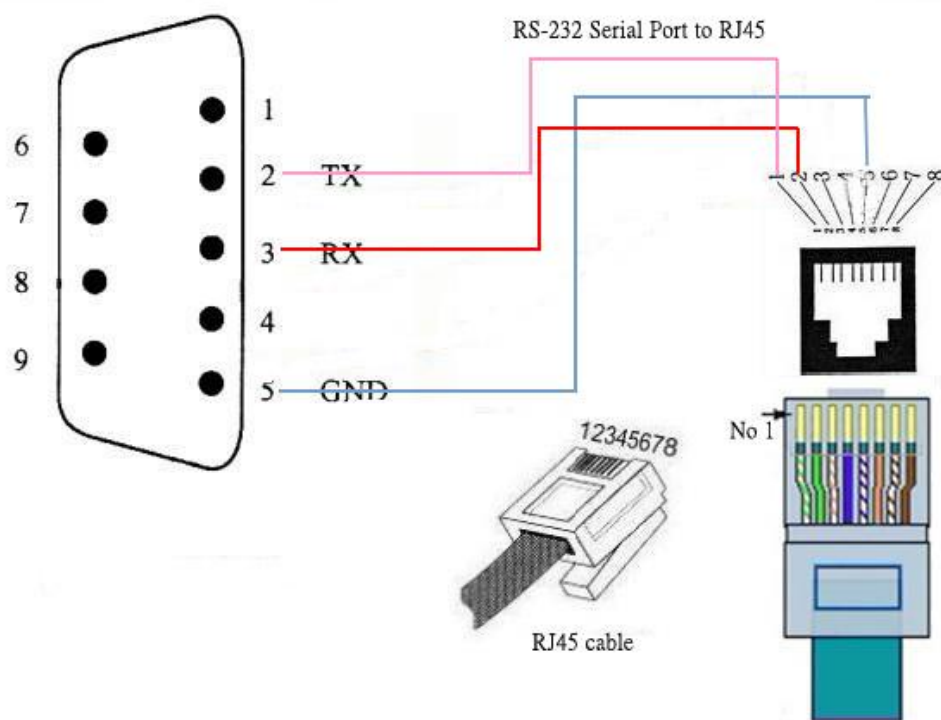
USB: Change to USB source

6. Remote controller



- | | | | |
|------------|--|------------------|------------|
| ① POWER | ② MUTE | ③ Previous | ④ Next |
| ⑤ Volume - | ⑥ Volume + | ⑦ UA1: HDMI | ⑧ UA2: VGA |
| ⑨ UA3: AV | ⑩ UA4: USB | ⑪ Menu | ⑫ Source |
| ⑬ Up | ⑭ Left | ⑮ OK | ⑯ Right |
| ⑰ Down | ⑱ Switch: Unit display or Mosaic display | | |
| ⑲ Back | ⑳ Play/Pause | ㉑ No need to use | |

7. RS-232 Controller



Baud Rate: 115200	Data Bit: 8
Check Bit: None	Stop Bit: 1
HDMI	0Xff,0Xf7,0x5a,0x00,0x32,0x00,0x82
USB	0Xff,0Xf7,0x5a,0x00,0x33,0x00,0x83
HDMI output 1080P	0Xff,0Xf7,0x5a,0x00,0x34,0x00,0x84
HDMI output 720P	0Xff,0Xf7,0x5a,0x00,0x35,0x00,0x85
Mosaic display mode	0Xff,0Xf7,0x5a,0x00,0x36,0x00,0x86
Unit display mode	0Xff,0Xf7,0x5a,0x00,0x37,0x00,0x87

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* The product name and brand name may be registered trademark of related manufactures.

TM and ® may be omitted on the user manual.

The pictures on the user manual are just for reference, and there may be some slight difference with the real products.

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Meicheng® MEI CHENG AUDIO VIDEO CO., LTD.

dress: 13F., No.2, Jian 8th Rd., Jhonghe Dist., New Taipei City, Taiwan
 Tel: +886(2) 8228 0311, Fax: +886(2) 8228 0319
 Website : www.meicheng.com.tw E-mail: mei.cheng@msa.hinet.net