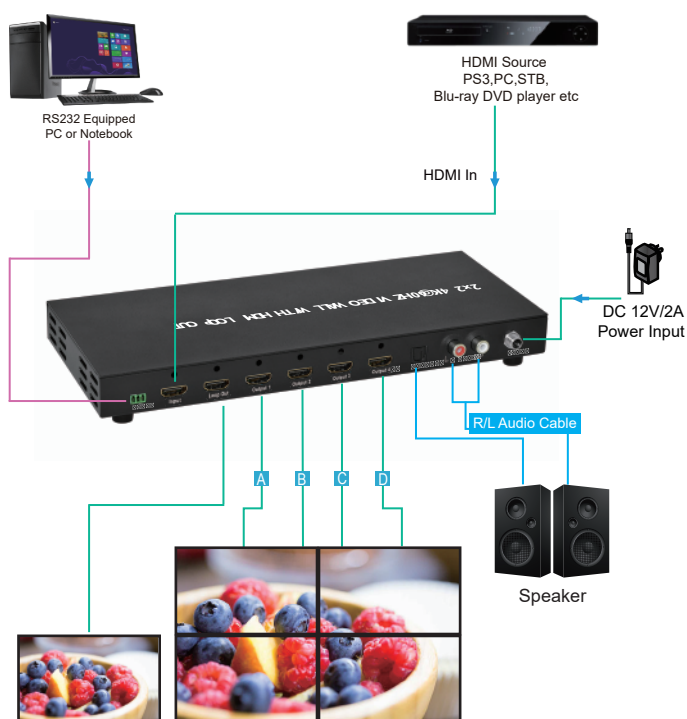


2x2 VIDEO WALL WITH LOOP OUT

Ver Quick Installation Guide Ver. 1.0

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CONNECTION DIAGRAM:



INTRODUCTION:

The 2x2 4 port HDMI video wall processor with UHD 4K@60 4:4:4 support, it is a video wall processor to accept an input of upto TRUE 4K@60 from a source device. Equipped with 4 HDMI outputs processing the input signal pixel to pixel with a vivid, clear and crisp picture onto Full HD displays. This unit can be used as a dedicated 2x2 video wall at UHD 4K@60 or 1080p with rotation, different preset or custom layouts. By RS232, IR or Panel button the user can simply configure different layouts for any solution such as 1x1, 1x2, 1x3, 1x4, 2x1, 2x2, 3x1, 4x1. The video wall processor can accept both DVI/HDMI source inputs/outputs. Each output resolution up to FULL HD 1080p. Edge shielding function Supported, after the image edge shielding treatment without deformation, tensile, more natural and realistic vision. Support audio extraction function, it can provide independent Analog audio output by RCA jack and digital audio output by Optical. Recommended applications include retail digital signage, commercial applications and broadcasting/education/surveillance systems etc.

FEATURES:

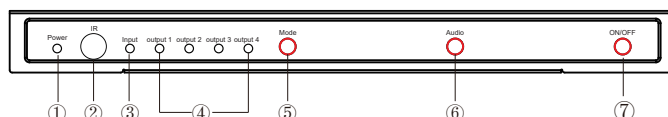
- Compatible with the HDCP
- Input resolution up to 4K@60Hz 4:4:4
- Support multiple Layout modes
- Support Edge Shielding function
- Support mirror function
- Supports AUX and Spdif audio output
- Controllable via front-panel buttons, IR and RS232 control
- Support HDMI Local loop out
- Metal housing
- Plug and play

PACKAGE CONTENTS:

- 1x Main unit
- 1x DC Power Supply
- 1x Remote control
- 1x User's Manual
- 1x Phoenix plugs for RS232 cable termination

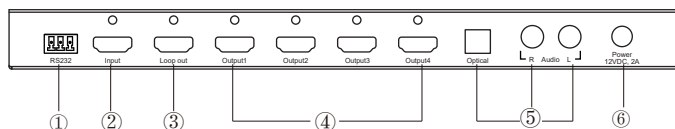
PRODUCT OVERVIEW:

Front Panel:



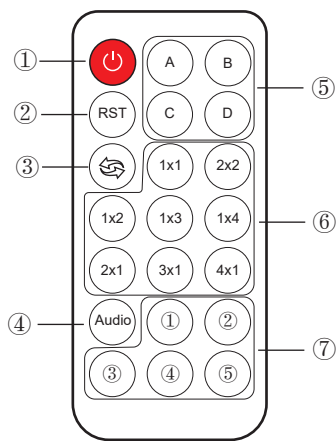
- ① Power LED indicator: The LED will illuminate when the power turned on
- ② Remote control sensor
- ③ HDMI input LED indicator
- ④ HDMI output LED indicator
- ⑤ Mode switch: Press the "Mode" button to switch the Layout mode
- ⑥ Audio switch: Press the "Audio" button to switch the audio output from L/R or Optical
- ⑦ ON/OFF: Power ON/OFF button

Back Panel:



- ① RS232 control Port
- ② HDMI input: Connect to the HDMI output of your source equipment such as DVD player or PC
- ③ HDMI loopout: Connect to the monitor to display full signal of the signal source
- ④ HDMI output 1~4: Connect to the monitor to display split signal of the signal source
- ⑤ AUX and TOSLINK audio output: Connect to the amplifier
- ⑥ Power: Connect to the 12V DC

REMOTE CONTROL:

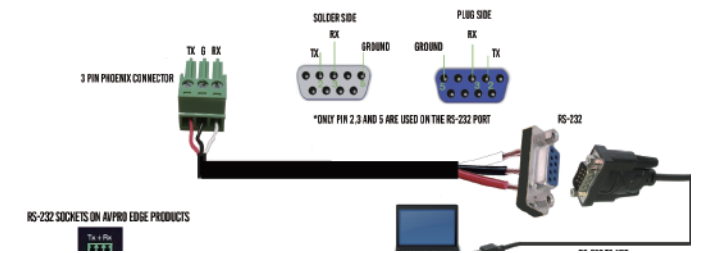


- ① ON/OFF: Power ON/OFF.
- ② RST: Restore Factory Defaults.
- ③ Change the Output port order.
- ④ Audio: Switch the audio output from L\R or Optical.
- ⑤ Mirror mode: Enable\Disable Mirror mode(Rotation 180°) .
Note: Used at 2x2 mode only.
- ⑥ Layout mode: Switch between different layout modes.
- ⑦ Edge Shielding level: Switch between different Edge Shielding levels, higher the level, the more pixels are shielded from the edge.
Note: Used at 2x2 mode only.

RS232 CONTROL:

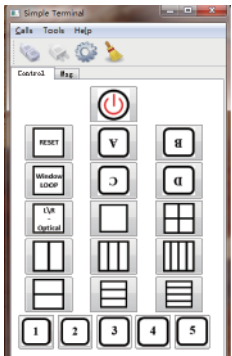
Installation

The PC controller is green software. Just use a cable to connect the PC via RS232 port and copy "terminal2x2.exe" to PC to complete installation.



Preparation

1. Connect PC and Video wall processor by RS232 cable (headers of both sides of cable should be FEMALE)
2. Power-up the Video wall processor
3. Double click terminal2x2.exe icon to run it, then see the following picture.



OUTPUT MODE:

1x1	A A A A
1x2(H)	A1 A2 A1 A2
1x3(H)	A1 A2 A3 A
1x4(H)	A1 A2 A3 A4
2x1(V)	A1 A1 A2 A2
3x1(V)	A1 A A2 A3
4x1(V)	A1 A2 A3 A4
2x2	A1 A2 A3 A4

SPECIFICATIONS:

Video and Audio	
HDMI resolution	Input: Up to 4k@60Hz 4:4:4 Loop Out: Up to 4k@60Hz 4:4:4 Video wall Output: Up to 1080p@60Hz
HDMI version	HDMI2.0, HDCP2.2
Support video color format	36-bit Deep Color all channels maximum
Audio output	HDMI: PCM 2CH Toslink: PCM 2CH L\R: Stereo audio
Max bandwidth per channel	600MHz
Max baud rate per display	18Gbps (Input)
Input/Output TMDS signal	0.5~1.5V p-p(TTL)
Input/Output DDC signal	5V p-p(TTL)
Input cable distance	≤16ft/ 5m 24 AWG HDMI high speed Cable at 1080P@ 60Hz
Output cable distance	≤50ft/15m 24 AWG HDMI high speed Cable at 1080P@ 60Hz
Enviromental	
Operating Temperature range	5°F to 131°F / -15°C to 55°C
Operating Humidity range	5% to 90% RH(No Condensation)
Power Requirement	
Max working current	1A
External Power Supply	DC12V/2A