4K Video Wall Controller 3X3

User Manual

1. PRODUCT DESCRIPTION

This 3X3 splicing processor supports 1-way HDMI input and 9-way HDMI outputs. The main function is to divide a complete HDMI high-definition image signal into 9 pieces and distribute them to 9 video display units (such as rear projection units, LCD TVs, etc.), to complete a dynamic image large screen composed of 9 HDMI high-definition video display units.

The device is low in cost, easy to install, and has good compatibility. It is a stable and efficient splicing method. It is widely used in audio and video splicing in high-definition conference systems, high-definition film and television shooting, high-definition teaching systems, and high-definition digital advertisements.

2. ADVANTAGE

- Small size, light and thin design, beautiful appearance, strong anti-interference ability;
- Input high-definition video signal resolution up to 3840*2160@30Hz;
- Compliance with HDMI 1.4 standard；
- Compliant with HDCP 1.4 standard – high-bandwidth digital content protection technology;
- Improve compatibility, match signal source and display device;
- Built-in automatic adjustment system to make the image smooth, clear and stable;
- Support multiple splicing methods, easy to install, plug and play;
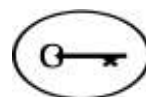
3. FEATURES

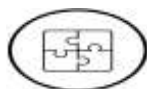Support 4K@30Hz   Support IR control   Built-in ESD protection   HDCP 1.4; HDMI1.4

Multiple splicing modes   Support audio separation   Smoothing & Real time   Plug and Play

4.PACKING LIST

- 3X3 Video Wall Controller   x 1pc
- Power Adapter   x 1pc
- IR Remote Controller   x 1pc
- Instruction Manual   x 1p

Parameter		Description
Video	Standards	HDMI 1.4; HDCP 1.4
	Maximum pixel clock	340MHz,Total digital
	Maximum data rate	10.2Gbps
	Input max-resolution	3840*2160@30Hz；Backwards compatibility
	Output max-resolution	1920*1080@60Hz
	Connector	HDMI-A
	HDMI Impedance	100Ω
	Recommended HDMI cable length	Less than 5 meters, at 1920X1080@60Hz
Audio	interface	SPDIF Fiber-optic digital audio interface
		3.5mm Stereo audio socket
	Audio format	44.1K,48K,96K,176K,192K
	Signal type	Stereophonic
other	Power Supply	The power adapter: DC 12V
	Power Consumption	MAX 4W
	Operating Temperature	-5℃~ +70℃
	Operating Humidity	5% ~ 90%
	Dimension	195*106*22mm
	The warranty	1 year free warranty

6.INTERFACE

TV wall controller interface：

Description of the host interface function	
1. DC 12V Power supply	**6.** Video Signal Input Indicator Light
2. HDMI Video Signal Input	**7.** Power Light
3. HDMI Video Signal Output	**8.** Splicing Mode Switch Key
4. IR infrared receiver	**9.** SPDIF Fiber-optic Digital Audio Output
5. OUT1-OUT9 HDMI Output indicator light	**10.** 3.5mm Stereo Audio Output

IR Remote Controller

Remote controller Function Instruction	
1.2x2 Mode	**7.**3x3 Mode
2.Previous Mode	**8.**Next Mode
3.Adjust Splicing Mode	**9.**"OK" Key
4.Numlock	**10.**Adjust Rotation 180°
5.Close/Open: HDMI Input/Output	**11.**"*" represent "x"
6.Single Screen Mode	

Warm tips:

1.How to "adjust splicing mode": this needs to be used in combination with numbers, for example: to adjust to 2X3 splicing mode：
First press the "Mode" button, after an interval of 1 second, press the number key "2", after 1 second interval, press the "*" key , after 1 second interval, press the number key "3", after 1 second interval, finally press the "OK" key to confirm.
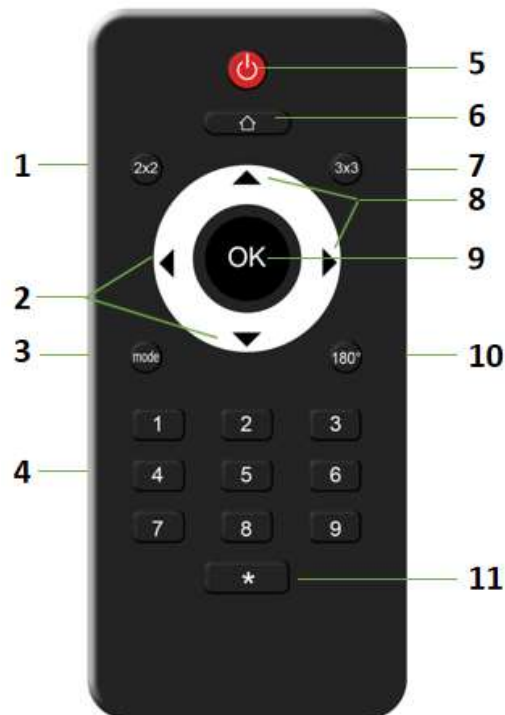
Note:
(1) Pressing the key too quickly will cause the operation to be invalid.
(2) If the splicing mode input is not supported, no action will be taken.

2. How to "Adjust Rotation 180°": For example, you need to invert the HDMI output 1 interface. How to use it:
First press the "180°" button, after an interval of 1 second, then press the number key "1" , after an interval of 1 second, and then press " OK" key to confirm.
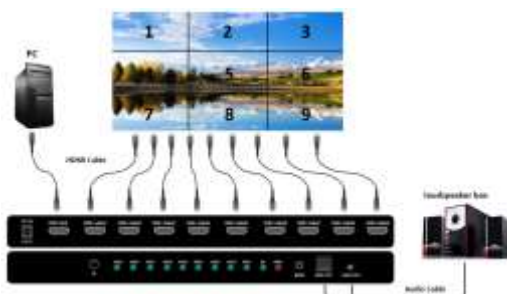
Note: Pressing the key too quickly will result in invalid operation.

7 INSTALLATION

1. Connect the HDMI signal source to the INPUT of the HDMI 3X3 splicer.

2. Connect display devices (such as TVs, splicing screens, etc.) to OUTPUT 1-OUTPUT 9.

3. Connect the HDMI 3×3 splicer to the power supply, when the indicator light is on normally, the system is running normally.

8 DIAGRAM

10 Display modes:

(Warm tips: The numbers on the screen represent HDMI output1-9, and different splicing modes need to be connected to the corresponding HDMI output interface)

1x1 Mode

1x2 Mode

1x3 Mode

2x1 Mode

2x2 Mode

2x3 Mode

3x1 Mode

3x2 Mode

3x3 Mode

2x4 Mode