

HDMI 2x1 Multi-Viewer with PIP

LM-S21R

User manual

I. Introduction

This product is a high performance 2 by 1 Multi-Viewer. It supports two High definition input source display on one screen. As a Multi-Viewer, it can display on one screen in 4 modes.

II. Features

- 1.Compliant with HDMI 1.3a,HDCP 1.2;
- 2.Supports multiplexed HDMI 2-input and 1-output and 4 display modes;
- 3.Supports up to 1080p High Definition resolution;
- 4.Support scaler up, scaler down function;
- 5.Support multi output resolution;
- 6.Support digital audio format LPCM/AC3/DTS

III. Package

- 1.HDMI 2x1 Multi-Viewer ----- 1PC
- 2.5V1A DC Power adapter ----- 1PC
- 3.Remote control-----1PC
- 4.Operation Manual ----- 1PC
- 5.Mounting ears-----2PCS

IV. Specifications

Video Bandwidth	225MHz[6.75Gbps]
Input Ports	2 × HDMI (Female type)
Output Ports	1 × HDMI (Female type)
Audio output	PCM2, 5.1, 7.1CH, Dolby 5.1, DTS5.1
Input Resolution	480i60Hz,480p60Hz,576i50Hz,576p50Hz,720p50/60Hz 1080i50/60Hz,1080p24/30/50/60Hz,800x600@60, 1024x768@60,1280x720@60,1920x1080@60
Output Resolution	1080p, 720p, 1080i,1024x768,1360x768
ESD Protection	Human Body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)
Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions	70 mm (W)×140mm (D)×25 mm (H)
Weight	300 g
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0 °C~40 °C/ 32 °F~104 °F
Storage Temperature	-20 °C ~ 60 °C/-4 °F ~140 °F
Relative Humidity	20~90 % RH (non-condensing)
Power Consumption (Max)	10W

V. Operation controls and Functions

Front Panel



1.POWER LED: This red LED illuminates when the device is connected with power supply.

2.OUTPUT LED: This red LED illuminates when the TV plug in corresponding HDMI output Port.

3.IN1 LED: This red LED illuminates when the HDMI IN1 is selected as main image.

4.IN2 LED: This red LED illuminates when the HDMI IN2 is selected as main image.

5.IR: Remote control signal receive.

6.SOURCE: Press the button to select the input source as main image, and the LED will indicates the corresponding input source.

7.MODE: Press the button to select display mode. ※ See the description 1.

8.POSITION: Press the button to select the position of sub image when in PIP mode.

9.SIZE: Press the button to select the size of sub image when in PIP mode.

10.RESOLUTION: Press the button to select the output resolution.

NO.	RESOLUTION
1	1080P, Main image audio
2	720P, Main image audio
3	1080I, Main image audio
4	1024x768, Main image audio
5	1360x768, Main image audio

Rear Panel



1.RS232: Connected to computer via RS232 tool, and controlled via host-computer software.

2.HDMI IN2: This slot is where you connect the HDMI source output from DVD, PS3.

3.HDMI OUTPUT: This slots is where you connect the HDTV or monitor with HDMI cable.

4.DC 5V IN: Plug the 5V DC power supply into the unit.

※ Description 1 Mode Introduction:

1. Mode 1: One-view mode
2. Mode 2: PIP mode
3. Mode3: POP mode A
4. Mode 4: POP mode B

Mode1



Mode2



Mode3

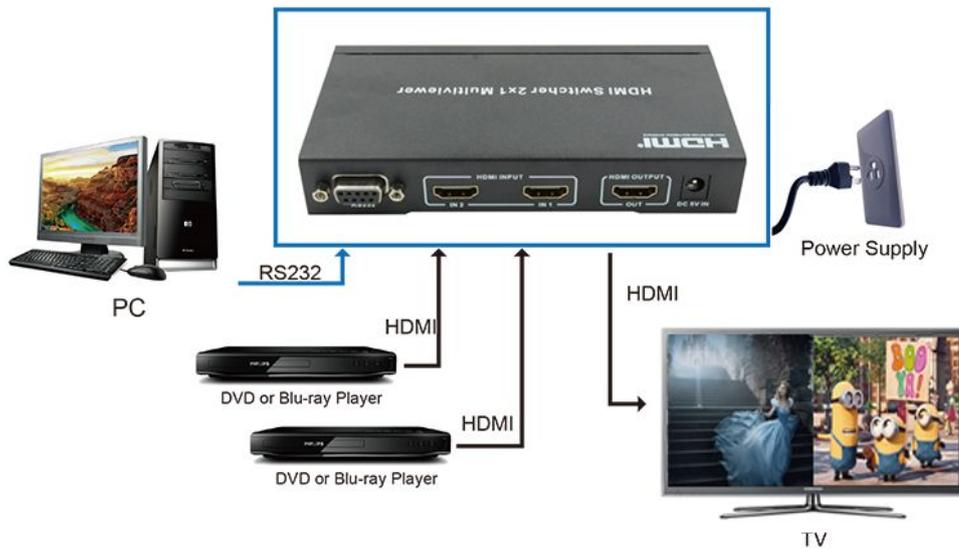


Mode4

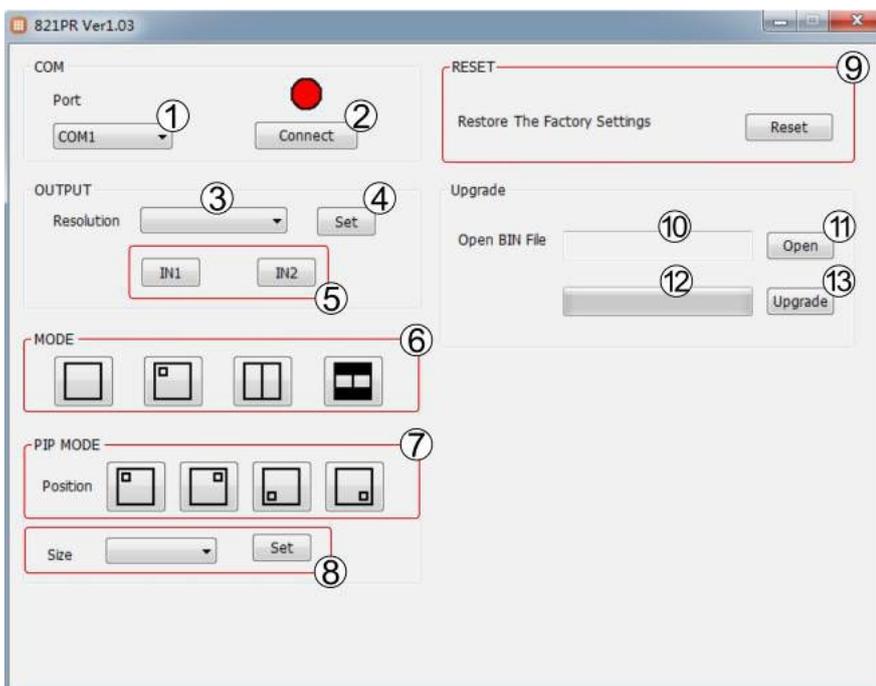


1. **POWER:** Press this button to power on the matrix or set it to standby mode.
2. **IN1:** Press this button to select input 1 as main image, and the IN1 LED will indicate.
3. **IN2:** Press this button to select input 2 as main image, and the IN2 LED will indicate.
4. **SIZE:** Press the button to select the size of sub image when in PIP mode.
5. **POSITION:** Press these buttons to select the position of sub image when in PIP mode.
6. **MODE:** Press the button to select display mode.
7. **RESO:** Press the button to select the output resolution.

VII. Application Example



VIII



1. Select RS232 COM port.
2. Click to connect or disconnect PC and Matrix.
3. Select output resolution.
4. Click set to confirm.
5. Click IN1 or IN2 to select the input source as main image.
6. Click the mode Icon to select output mode.
7. Click the position Icon to select PIP position.
8. Select PIP size and click set to confirm.
9. Click to reset to the factory settings.
10. Display the FW file path.
11. Click to open BIN file (file extension is “.bin”)
12. Display the progress of the software upgrade.
13. Click to upgrade the Matrix software.