

HDMI 2x1 Multi-Viewer with PIP



User Manual

VER 2.2

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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1. Introduction

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

2. Features

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

3. Package Contents

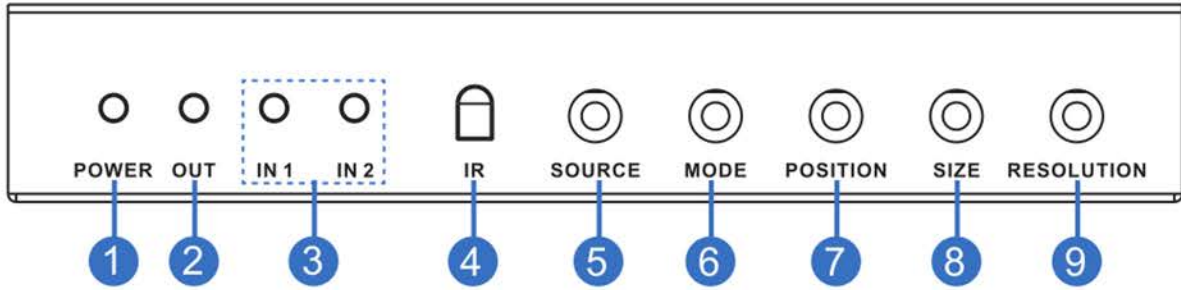
- ① 1× HDMI 2x1 Multi-Viewer
- ② 1× 5V1A DC Power adapter
- ③ 1× Remote control
- ④ 1× RS-232 Serial Cable
- ⑤ 1× User Manual
- ⑥ 2× Mounting ears

4. Specifications

Technical	
Video Bandwidth	225MHz[6.75Gbps]
Input Ports	2xHDMI Type A [19-pin female]
Output Ports	1xHDMI Type A [19-pin female]
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—±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	70mm [W] x 140mm [D] x 25mm [H]
Weight	300g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	10W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

5. Operation Controls and Functions

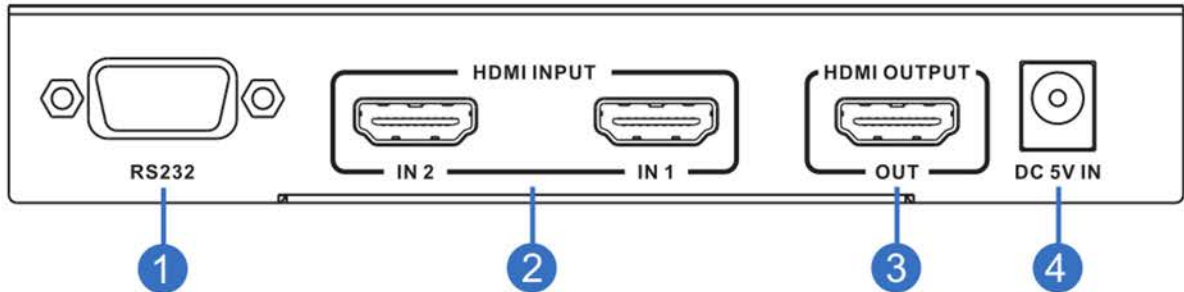
5.1 Front panel



Number	Name	Function description
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 is in corresponding HDMI output Port.
3	IN1/IN2 LED	This red LED illuminates when the HDMI IN1 or IN2 is selected as main image.
4	IR	Receives the remote control signal.
5	SOURCE button	Press the button to select the input source as main image, and the LED will indicate the corresponding input source.
6	MODE button	Press the button to select display mode. ※ See "Description 1 Mode Introduction"(pg5).
7	POSITION button	Press the button to select the position of sub image when in PIP mode.
8	SIZE button	Press the button to select the size of sub image when in PIP mode.
9	RESOLUTION button	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

5.2 Rear panel



Number	Name	Function description
1	RS232	Connect to computer via RS232 tool, and control via host-computer software.
2	HDMI IN1/IN2	These slots are where you connect the HDMI source output from DVD, PS3.
3	HDMI OUTPUT	This slot 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. Mode 3: POP mode A
4. Mode 4: POP mode B

Mode 1



Mode 2



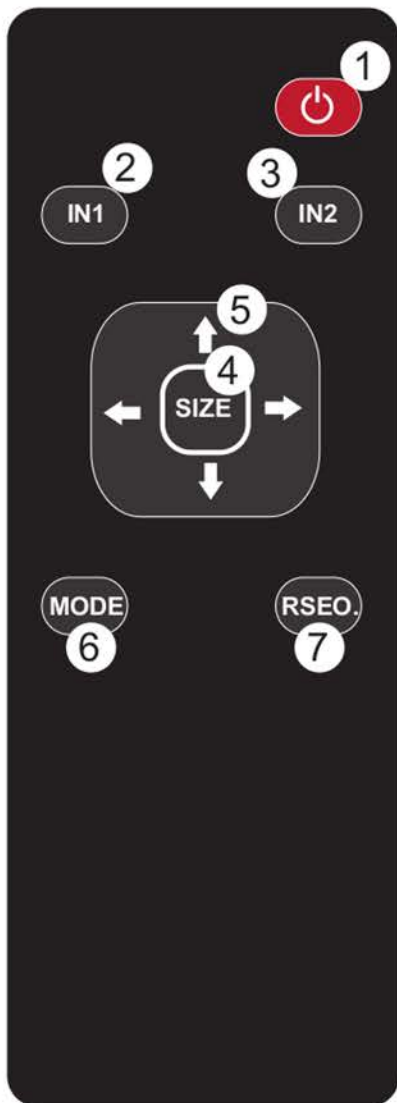
Mode 3



Mode 4

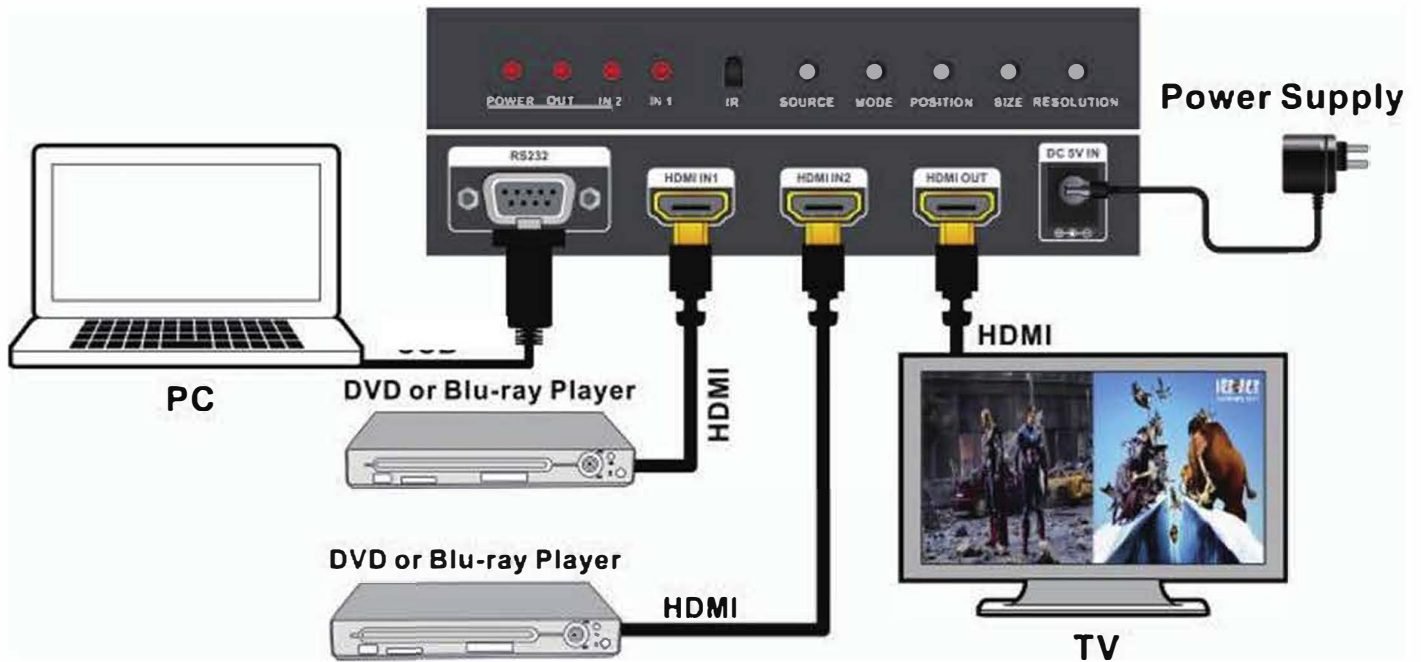


6. Remote control



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.

7. Application Example



8. RS232 Control

To Control the Multi-viewer using the RS232 application, first connect the serial cable provided between the RS232 port and a serial port on a PC. Then run the RS232 application (can be downloaded from our [website](#)), select the COM port the viewer is connected to, press the "Connect" button, and use the features in the app to control the Multi-viewer.

