HDMI 4×1 Quad Multi-Viewer

User Manual

VER 1.2

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, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect andextend the life of your equipment.

Table of Contents

1. Introduction

The high performance 4×1 quad multi-viewer can display four routes HDMI HD input contents on one HDMI screen and one VGA screen simultaneously. It supports analog audio output that can select different input source. It has five multi-view display modes. Output resolution can be adjusted, and the maximum resolution is up to 1920×1080@60Hz. The product can be controlled via panel buttons and the remote control.

2. Features

☆ HDMI 1.4, HDCP 1.4 compliant
☆ Input resolution can be recognized automatically
   (480p~1080P60, 800x600~1920x1080)
☆ Output resolution can be selected by panel buttons and remote control, the maximum resolution is up to 1080P@60Hz (1920x1080P@60Hz, 1280x720P@60Hz)
☆ Support Audio formats: LPCM 2CH
☆ Support 1/2/4 windows multi-view modes
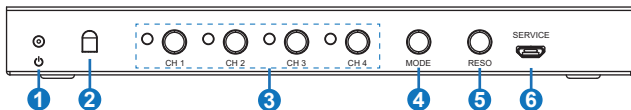☆ Control via panel buttons and the remote control

3. Package Contents

① 1× HDMI 4×1 Quad Multi-Viewer
② 1× 12V/1A DC Power Adapter
③ 1× Remote Control
④ 2× Mounting Ears
⑤ 1× User Manual

4. Specifications

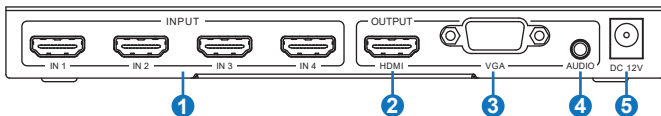| Technical	
HDMI Compliance	HDMI 1.4
HDCP Compliance	HDCP 1.4
Video Bandwidth	4.95Gbps
Video Resolutions	the maximum is up to 1920×1080P@60Hz
Color Depth	8-bit
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Analog Audio Formats	LPCM2.0, 44.1KHz, 48KHz
ESD Protection	Human-body Model： ±8kV (Air-gap discharge) , ±4kV (Contact discharge)
Connections	
Inputs ports	4x HDMI Type A [19-pin female] 1x SERVICE [Micro USB, Update port]
Outputs ports	1x HDMI Type A [19-pin female] 1x VGA [VGA-D] 1x Audio [3.5mm Stereo Mini-jack]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	185mm (W)×111.8mm (D)×21mm (H)
Weight	500g
Power Supply	Input: AC100~240V 50/60Hz, Output: DC12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	5.28W (max)
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)

5. Operation Controls and Functions

5.1 Front Panel

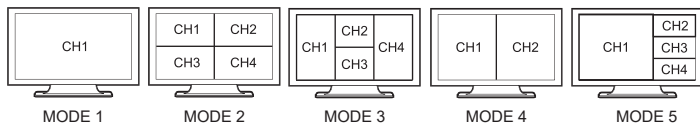| Number	Name	Function Description
1	POWER LED	The LED will illuminate green when the unit is working, red when the unit is in standby mode.
2	IR	IR receiver window. It accepts the remote control signal of this device.
3	CH1/CH2/CH3/CH4 button	Input channel select button (Please refer to "6. Display Modes" for details).
4	MODE button	Press this button to cyclically select display mode (Please refer to "6. Display Modes" for details). Long press this button for 5s, the output screen is full screen displayed with equal proportion.
5	RESO button	Cyclically select different output resolution. Long press this button for 5s to open or close the window display frame.
6	SERVICE port	Fireware update port. (Manufacture use only.)

5.2 Rear Panel

Number	Name	Function Description
1	HDMI INPUT	Connect to HDMI source device such as DVD player or PS4 with a HDMI cable.
2	HDMI OUTPUT	Connect to HDMI display device such as TV or projector with a HDMI cable.

3	VGA OUTPUT	VGA output port, outputing the signal that is the same as the HDMI output port.
4	AUDIO OUTPUT	Analog audio output port. (Note: If the HDMI output is MODE 1, the audio output follows the video content. If the HDMI output is MODE 2/3/4/5, press CH1/CH2/CH3/CH4 up to 5s to select audio output or use the remote control to cyclically select audio output. The default status is CH1 screen audio output.)
5	DC 12V	Plug the 12V/1A DC power supply into the unit and connect the adapter to an AC outlet.

6. Display Modes

The quad multi-viewer has 5 diaplay modes. Detailed description is as follows.

MODE 1   MODE 2   MODE 3   MODE 4   MODE 5

MODE 1: The quad multi-viewer will display four HDMI inputs separately. Use the CH1/CH2/CH3/CH4 button on the panel or the Source 1/2/3/4 button on the IR remote to select input source, the corresponding panel light will be on.
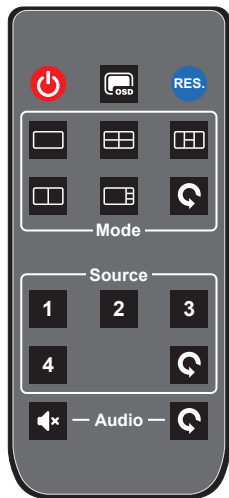**MODE 2:** The quad multi-viewer devides four HD inputs with the same size and display them on one screen. The four lights on panel will be on. In the CH1 window, you can press the CH1 button on panel or the Source 1 button on the IR remote to cyclically select four input sources. Select the input source separately in the CH2/CH3/CH4 window in the same way.
MODE 3: The quad multi-viewer devides four HD inputs and displays them on one screen. The four lights on panel will be on. The operation is the same as MODE 2.

MODE 4: The quad multi-viewer devides two HD inputs with the same size and display them on one screen. The CH1, CH2 lights on panel will be on. In the CH1 window, you can press the CH1 button on panel or the Source 1 button on the IR remote to cyclically select four input sources. Select the input source in the CH2 window in the same way.

MODE 5: The quad multi-viewer devides four HD inputs and displays them on one screen. The four lights on panel will be on. The operation is the same as MODE 2.

7. Remote Control

$\bigcirc$: Press this button to set the unit in standby mode, press this button again to power on the unit.

$\boxed{\square}_{\text{OSD}}$: Press this button to open or close the display window frame.

RES. : Press this button to cyclically select output resolution.

Mode:

$\square \boxplus \boxplus \square \square$: Press these buttons to select output display mode.

$\mathbf{Q}$:Press this button to cyclically select output display mode.

Source:

1/2/3/4: Press these buttons to select input source.

$\mathbf{Q}$:Press this button to cyclically select input source (This button can be used only at the MODE 1).

Audio:

$\blacktriangleleft\times$: Mute button.

$\mathbf{Q}$:Press this button to cyclically select audio output.

8. Application Example

TV or Monitor

Power Supply

INPUT

OUTPUT

IN 1 IN 2 IN 3 IN 4

HDMI VGA AUDIO DC 12V

DVD or Blu-ray Player

DVD or Blu-ray Player

UHDTV

2.0 Speakers