

HDMI MULTI-VIEWER

HDMI Multi-Viewer 16X1 (4K30Hz)



Where every Moment comes Alive

ER2807MV

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

Introduction

The **Eira HDMI 16x1 Multi-viewer** is a high-performance device designed for seamless 16-screen segmentation and output switching. It allows 16 HD video signals to be displayed simultaneously on a single screen, offering various video layout options and smooth, synchronous switching between inputs. With flexible control options — including panel buttons and IR remote control — it provides a user-friendly and stable experience. Easy to install and highly reliable, it is ideal for major projects, conference rooms, control centres, and similar applications.

Features

- **16 HDMI Inputs, 1 HDMI Output:** Connect up to 16 different HDMI sources and output to a single HDMI display.
- **Multi-View Display:** Supports simultaneous display of all 16 HDMI signals on one screen with flexible layout options.
- **Seamless Switching:** Allows smooth, instant switching between 16 HDMI inputs without screen flicker or delay.
- **Flexible Control Options:** Switch inputs easily via front panel buttons or IR remote control, providing convenience in different setups.
- **Stable Performance:** Designed for continuous, reliable operation in professional environments like control rooms, meeting halls, and events.
- **Easy Installation:** Compact and durable design makes it simple to set up and integrate into existing AV systems.

Specifications

- HDMI Input Resolution: Up to 1080P/60Hz
- HDMI Output Resolution: Up to 4K/30Hz
- Input/Output Cable Distance: ≤10 meters (using AWG26 HDMI standard cable)
- Power Adapter:
- Input: AC 100V-240V (50Hz/60Hz)
- Output: DC 12V/2A
- Operating Temperature Range: -15°C to +55°C
- Dimensions (L × W × H): 460 × 150 × 40 mm
- Weight: 1683g

Remote Control



1080P

HD MI output resolution 1080P;



Output resolution switch: (4K/1080P/2560X1440/2560X1600);



Vertical dual image display mode;



Parallel dual image display mode;



4 big-12 small display mode;



2 big-6 small display mode;



Audio switching;



Display mode switching;



16 image display mode;



Left & right switching input port



Single image choosing signal input port



2x2 mode:

A4: Choosing 1-4 input port signal;

B4: Choosing 5-8 input port signal;

C4: Choosing 9-12 input port signal;

D4: Choosing 13-16 input port signal;



2x4 mode:

A8: Choosing 1-8 input port signal;

B8: Choosing 9-16 input port signal;

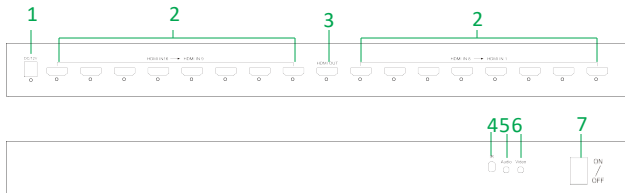


2x4 mode: (without stretch strain)

A8: Choosing 1-8 input port signal;

B8: Choosing 9-16 input port signal;

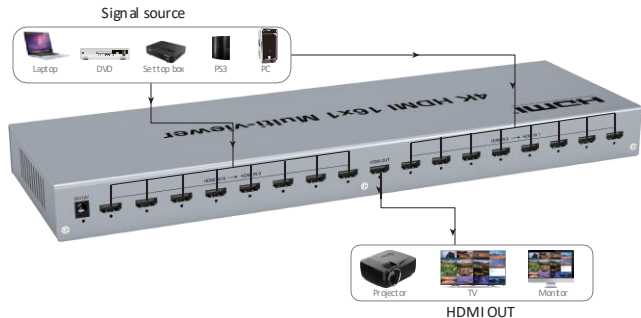
Interface



- 1 : DC/12V -- DC/12V power interface
- 2 : HDMI IN16 → HDMI IN1 -- Input interface
- 3 : HDMI OUT -- Output interface
- 4 : IR -- IR receive

- 5 : Audio -- Audio mode switching
- 6 : Video -- Video mode switching
- 7 : ON/OFF -- Power switch

Connection Diagram



Operating Steps

Step 1:

Connect the **HDMI OUT** port of the Multi-viewer to your display device (monitor, TV, or projector).

Connect the **HDMI IN 1~16** ports to your source devices (such as computers, cameras, set-top boxes, etc.).

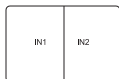
Step 2:

Connect the power adapter to the Multi-viewer and plug it into a power outlet. Switch on the Multi-viewer using the power button. The device will initialize and begin displaying the connected HDMI sources.

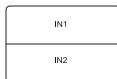
Common Multi-Viewer Modes



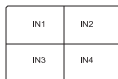
MODE1



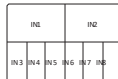
MODE2



MODE3



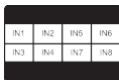
MODE4



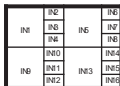
MODE5



MODE6



MODE7



MODE8



MODE9



MODE10

MODE1 : Single image display mode (Channel 1-16 seamless switch)

MODE2&MODE3 : Dual image display mode

MODE4 : Quad display mode

MODE5 : 2 big -6 small display mode

MODE6 : 8 Image display mode

MODE7 : 8 Image display mode (without stretcher strain)

MODE8 : 4 big -12 small display mode

MODE9 : 16 Image display mode

MODE10: 6 Image display mode (HDMI In1-3, HDMI In5-7 / HDMI In9-11, HDMI In13-15)

Package Includes

- | | | | |
|------------------------------|-----|-------------------|-----|
| 1. 4k HDMI 16x1 multi-viewer | 1PC | 3. Remote control | 1PC |
| 2. 12V/ 2A power adapter | 1PC | 4. User manual | 1PC |