HDMI MULTI-VIEWER

HDMI Multi-Viewer 8X1 (4K30Hz)

Where every Moment comes Alive

ER2805MV

Introduction

The HDMI 8x1 Multi-viewer is a cutting-edge solution designed for high-performance applications requiring seamless display and switching of multiple HD video sources. This advanced device excels in consolidating up to 8 HD digital video signals onto a single screen, offering a versatile range of video segmentation options. Whether for major projects, conference halls, or other professional settings, its ability to synchronize and switch between 8 HD input signals seamlessly ensures a practical and stable viewing experience. Easy to install and operate, the HDMI 8x1 Multi-viewer stands out as a reliable choice for demanding environments where clarity, reliability, and flexibility are paramount.
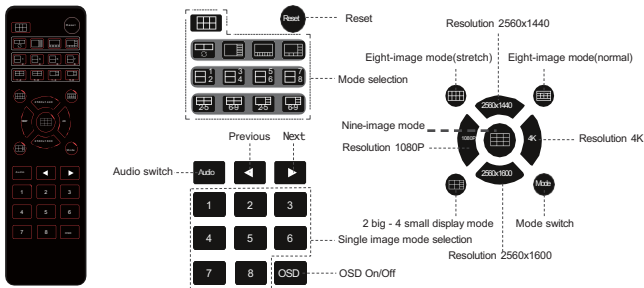
Features:

➢ **Inputs**: Supports 8 HDMI inputs.
➢ **Output**: 1 HDMI output.
➢ **IR Control**: Includes support for Infrared (IR) remote control, allowing users to manage switching and configuration remotely.
➢ **RS232 Control**: Provides RS232 control capability, enabling integration with control systems for centralized management and automation.
➢ **Screen Segmentation**: Supports segmentation of 8 channels of HDMI signals for flexible display configurations, such as Picture-in-Picture (PiP), Quad Split, and other custom layouts.
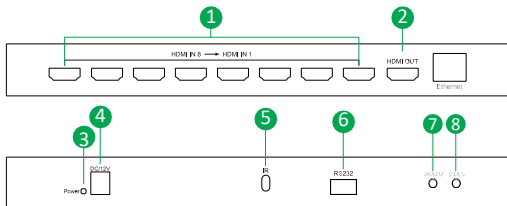
Specifications:

➢ **Input Resolution**: Supports various resolutions up to 4K at 30Hz.
➢ **Output Resolutions**: Supports multiple output resolutions including 1080P, 2560x1440, 2560x1600, and 4K at 30Hz.
➢ **Audio Format**: PCM (Pulse Code Modulation).
➢ **Input and Output Cable Distance**: Supports distances up to 10 meters using AWG26 HDMI standard cables for 4K at 30Hz.
➢ **Max Bandwidth**: 340MHz.**Max Baud Rate**: 3.4x3Gbps.
➢ **Max Working Current**: 500mA.
➢ **Power Adapter Format**: Input: AC (50Hz, 60Hz) 100V-240V; Output: DC12V/1A.
➢ **Operating Temperature Range**: -15℃ to +55℃.
➢ **Dimensions**: 252 x 105 x 25 mm.
➢ **Weight**: 792gms

The instruction of remote control button:

Reset

Resolution 2560x1440

Eight-image mode(stretch)   Eight-image mode(normal)

Mode selection

Nine-image mode

Resolution 1080P   Resolution 4K

Previous   Next

Audio switch

2 big - 4 small display mode   Mode switch

Single image mode selection   Resolution 2560x1600

OSD On/Off

Function interface figure:

1: HDMI IN8 → HDMI IN1 ---Input interface
2: HDMI OUT --- Output interface
3: Power --- Power LED indicator
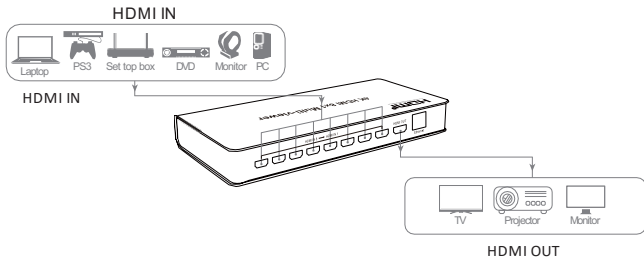4: DC/12V --- DC/12V power interface

5: IR --- IR receive
6: RS232 --- RS232 interface
7: AUDIO --- Audio mode switching
8: VIDEO --- Video mode switching

Connection diagram:

HDMI IN

Laptop PS3 Set top box DVD Monitor PC

HDMI IN

TV Projector Monitor

HDMI OUT

Operating steps:

1: Connect HD signal source and the input port of the multi-viewer through 8 HDMI cables.   2: Connect the display terminal and the output port of the multi-viewer through one HDMI cable.

3: Connect power supply to the HDMI multi-viewer.

Application :

Game

Security monitoring
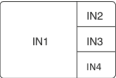

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Common multi-viewer modes:

MODE1 — INPUT	**MODE2** — IN1 / IN2
MODE3 — IN1 (top), IN2 (bottom)	**MODE4** — IN1, IN2 / IN3, IN4
MODE5 — IN1 (left), IN2/IN3/IN4 (right)	

MODE1 INPUT

MODE2 IN1 | IN2

MODE3 IN1 / IN2

MODE4 IN1 | IN2 / IN3 | IN4

MODE5 IN1 | IN2 / IN3 / IN4

MODE6 IN1 | IN2 | IN3 / IN5 | IN6 | IN7

MODE7 IN1 | IN5 / IN2 | IN3 | IN6 | IN7

MODE8 IN2 | IN3 | IN1 / IN5 | IN6 | IN7

MODE9 IN1 | IN2 | IN3 | IN4 / IN5 | IN6 | IN7 | IN8

MODE10 IN1 | IN2 | IN3 | IN4 / IN5 | IN6 | IN7 | IN8

MODE11 IN1 | IN2 | IN5 | IN6 / IN3 | IN4 | IN7 | IN8

MODE12 IN1 | IN5 / IN2 | IN3 | IN4 | IN6 | IN7 | IN8

MODE13 IN1 / IN2 | IN3 | IN4 | IN5 | IN6 | IN7 | IN8

MODE14 IN1 | IN2 | IN3 | IN4 | IN5 | IN6 | IN7 | IN8

MODE15 IN1 | IN2 | IN3 | IN4 / IN8 | IN7 | IN6 | IN5

MODE16 IN1 | IN2 | IN3 / IN6 | IN5 | IN4 / IN7 | IN8
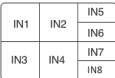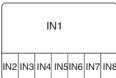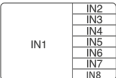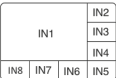
MODE1: Single image display mode（Channel 1-8 seamless switch）
MODE2 - MODE3: Dual image display mode；
MODE4 - MODE5: Quad display mode；
MODE6 - MODE8: 6 image display mode；
MODE9 - MODE16: 8 image display mode；

Package include :

1. HDMI 8x1 multi-viewer	1PC	3. Remote control	1PC
2. 12V/1A power adapter	1PC	4. User manual	1PC