



# User Manual

## HDMI QUAD MULTIVIEWER

### HDMI Quad Multi-Viewer 4X1 (1080P)



*Where every Moment comes Alive*

**ER2801Q**

**HDMI**<sup>®</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

## Introduction:

The HDMI 4x1 Quad Multi-viewer is a versatile and efficient solution for managing multiple HD video sources. Its ability to display four HD digital video signals simultaneously on the same screen, along with various video segmentation options and seamless switching between the input signals, makes it a valuable tool for a range of applications.

The flexibility in control methods, allowing switching via both buttons and IR control, adds convenience and accessibility to the device's operation. Its practicality, stability, and ease of installation make it suitable for deployment in major projects such as in surveillance systems, video production studios, or conference rooms where efficient management of multiple video sources are required. It's often used to save space and streamline monitoring by consolidating multiple displays into one.

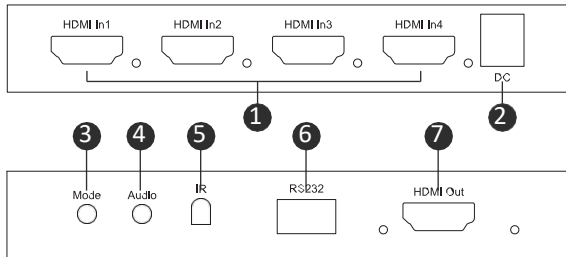
## Features:

- **4 HDMI Inputs, 1 HDMI Output:** This allows you to connect up to four HDMI video sources, such as computers, media players, or cameras, and display them simultaneously on a single HDMI output device, like a monitor or a projector.
- **4-Channel HDMI Signal Screen Segmentation:** This feature enables you to divide the screen into four segments, each displaying the video feed from one of the connected HDMI sources. This segmentation facilitates monitoring and comparison of multiple video feeds on one screen.
- **Seamless Switching of 4 HDMI Signals:** The device seamlessly switches between the four HDMI input signals, ensuring smooth transitions between different video sources without any interruption or delay.
- **Support for up to 1080P/60Hz Resolution:** It can handle high-definition video signals with resolutions of up to 1920x1080 pixels at 60 frames per second, ensuring crisp and clear image quality.
- **IR Control Support:** The device can be controlled using an infrared remote control, allowing for convenient switching between input sources and configuration of settings from a distance.
- **Flexible Input Resolution Support:** It supports various input resolutions including 1080P, 720P, 1080i, 1024x768, 1360x768, and others, ensuring compatibility with a wide range of video sources.
- **Audio Output Format:** The supported audio output format is PCM2, which typically refers to uncompressed stereo audio.

## Specifications :

- **HDMI Resolution:** up to 1080P at 60Hz
- **Audio Format:** PCM2
- **Input Cable Distance:** For 1080P/60Hz signals, the input cable distance should be within 15 meters using AWG26 HDMI standard cable
- **Output Cable Distance:** Similarly, for 1080P/60Hz signals, the output cable distance should also be within 15 meters using AWG26 HDMI standard cable
- **Max Bandwidth:** 150MHz
- **Max Baud Rate:** 1.5 x 3Gbps
- **Maximum Working Current:** 0.6A
- **Power Adapter Format:** Input voltage ranging from AC 100V to 240V at 50Hz to 60Hz, with an output of DC 5V/1A
- **Operating Temperature Range:** between 10°C to +45°C
- **Dimension:** 121 x 119 x 19mm
- **Weight:** 220g

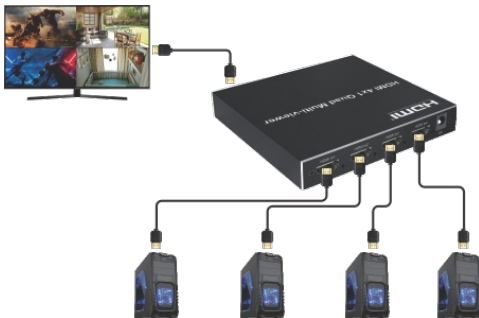
## Operating and Connecting:



- 1: HDMI In1-In4 --- HDMI input port
- 2: DC --- Power port
- 3: Mode --- Mode switch

- 4: Audio --- Audio switch
- 5: IR --- Infraed receiving window
- 6: RS232 --- RS232 port
- 7: HDMI Out --- HDMI output port

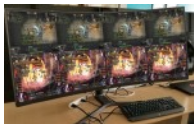
## Application diagram



## Operating and Connecting :

1. Connect each HDMI source devices and input of HDMI 4x1 Quad Multi-viewer with HDMI cable;
2. Connect display devices and output of HDMI 4x1 Quad Multi-viewer with HDMI cable;
3. Connect 5V power supply to the HDMI 4x1 Quad Multi-viewer;
4. Use the IR remote or button control to switch the freely.

## Application scenario :



Game



Security Monitoring



Bar

## 6 modes for switching:



Single Screen



Dual Screen ( Side by Side)



Dual Screen (Top & Bottom)



Quad Screen (One Big & 3 Small)

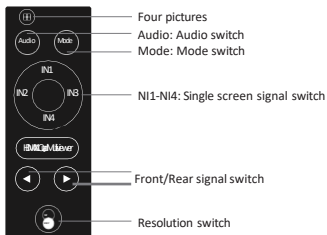


Quad Screen (2 Big & 2 Small)



Quad Screen (Four Equal)

## Remote Control instructions:



## The Package includes:

- |                               |     |                           |     |
|-------------------------------|-----|---------------------------|-----|
| 1. HDMI 4x1 quad multi-viewer | 1PC | 4. User manual            | 1PC |
| 2. Power adapter              | 1PC | 5. RS232 cable (Optional) | 1PC |
| 3. Remote control             | 1PC |                           |     |