

## HDMI SWITCH/SPLITTER

### HDMI Switch/Splitter 2X8 (4K30Hz)



*Where every Moment comes Alive*

**ER2821SS**

**HDMI®**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

# INTRODUCTION

The HDMI Switcher/Splitter 2x8 enables seamless connectivity between two HD signal sources and up to eight HD display terminals. It efficiently splits and distributes HD signals from sources like Blu-ray players or gaming consoles to HDTVs or projectors supporting HD resolution. Featuring signal amplification, it ensures consistent video quality across connected displays. Users can switch between the two input sources effortlessly, making it ideal for environments requiring flexible HD signal distribution. Supporting a maximum video resolution of 3840x2160 at 30Hz, it caters to high-definition viewing needs with clarity and precision



## Features:

- Supports 3D content
- Supports highest video resolution of 3840x2160 at 30Hz (4K UHD)
- Supports 3 Gbps data rate for TMDS clock up to 300MHz Supports 8/10/12-bit deep color for vivid visuals
- Compatible with standard AWG26 HDMI cables: Up to 10 meters input and 15 meters output for resolutions up to 1080p; Up to 5 meters input and 10 meters output for 4K resolution
- Suitable for single high-definition displays and multiple output HD signal sources such as DVD players, A/V receivers, and set-top boxes
- Requires DC 5V/1A power supply

## Specifications:

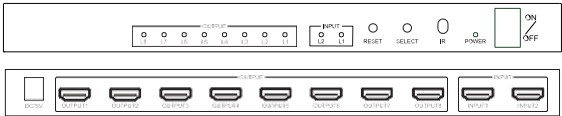
- **HDMI Resolution Support:** 4K/1080p/1080i/720p/576p/576i/480p/480i
- **Video Format Support:** 8/10/12-bit deep color
- **Audio Format Support:** LPCM
- **Maximum Bandwidth:** 300MHz
- **Maximum Baud Rate:** 3Gbps
- **Input Cable Distance:** 1080p resolution: ≤10m using AWG26 HDMI standard cable
- 4K resolution: ≤5m using AWG26 HDMI standard cable
- **Output Cable Distance:** 1080p resolution: ≤15m using AWG26 HDMI standard cable
- 4K resolution: ≤10m using AWG26 HDMI standard cable
- **HDMI Input Ports:** 2
- **HDMI Output Ports:** 8
- **Maximum Working Current:** 0.7 A
- **Power Adapter Format:** Input: AC (50Hz, 60Hz) 100V-240V ; Output: DC 5V/1A
- **Operating Temperature Range:** -15 to +55°C
- **Operating Humidity Range:** 5 to 90% RH (No Condensation)
- **Dimensions (L x W x H):** 278 x 136 x 24 mm
- **Weight:** 640g

## The remote control:



1. Press the button 1 to switch to the input 1, L1 indicator lights up
2. Press the button 2 to switch to the input 2, L2 indicator lights up

## Physical interface diagram



## Operation and connections:

1. Connect 2 HD signal sources to the inputs of HDMI Switch/Splitter 2x8
2. Connect 8 HD display devices to the outputs of HDMI Switch/Splitter 2x8
3. Connect 5V/1A power adapter with HDMI Switch/Splitter 2x8
4. Button operation: Reset button is used for system reset; Select button is used for switching the input sources

## The Package includes:

- |                             |     |
|-----------------------------|-----|
| 1. HDMI Switch/Splitter 2x8 | 1pc |
| 2. IR Remote Control        | 1pc |
| 3. 5V DC Power adapter      | 1pc |
| 4. User Manual              | 1pc |

## Application diagrams



Audio-visual conference



Command and control center



Home theater