

## HDMI SPLITTER

### HDMI Splitter 1x10 (8K60Hz)



Where every Moment comes Alive

**ER5013SP10**

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

# Introduction:

## Distribute Ultra HD Signals with Ease – 1x10 HDMI Splitter

The 1x10 HDMI Splitter is the perfect solution for sharing a single HDMI source with up to 10 displays simultaneously. Whether you're setting up a home theatre, digital signage, or a multi-screen presentation environment, this powerful splitter delivers crystal-clear video with resolutions up to **8K @ 60Hz**.

Designed for performance and flexibility, it features **EDID management with 8 selectable modes**, allowing you to customize signal compatibility for different display requirements. It also includes a **built-in IR extension function**, enabling remote control of the source device when paired with a compatible HDMI 2.0 repeater with IR-RX support.

With the added ability to regenerate signals over long HDMI runs, this splitter ensures stability, clarity, and seamless integration into any high-definition AV setup.

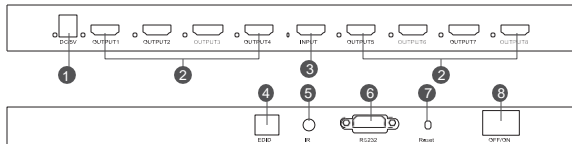
## Key Features:

- Supports **1 HDMI input and 10 HDMI outputs**
- Supports **HDR** (High Dynamic Range) for enhanced contrast and colour depth
- Supports **3D video formats** for immersive viewing experiences
- Supports **CEC (Consumer Electronics Control)** – available on **Output 1 only**
- Supports **ultra-high resolution** up to **8K @ 60Hz**
- **Remote control of the source device via IR extension** (requires HDMI 2.0 repeater with IR-RX)
- **EDID management support** with 8 selectable modes for flexible display compatibility
- Supports **output downscaling**, allowing 8K input to be displayed on lower-resolution screens

## Specifications:

- **HDMI Resolution:** Up to 8K @ 60Hz
- **Video Color Format:** 8-bit / 10-bit / 12-bit Deep Color
- **Supported Audio Formats:** DTS-HD, Dolby TrueHD, DTS, Dolby AC3, DSD
- **Max Data Rate:** 40Gbps
- **Input Cable Distance:** Up to 5 meters (HDMI 2.1 standard cable for 8K resolution)
- **Output Cable Distance:** Up to 5 meters (HDMI 2.1 standard cable for 8K resolution)
- **Max Working Current:** 1.2A
- **Power Adapter:** Input: 100V~240V AC (50Hz / 60Hz); Output: DC 12V / 2A
- **Operating Temperature Range:** -15°C to +55°C
- **Dimensions (L x W x H):** 375 x 89 x 22 mm
- **Weight:** 780g

## Product interface:



1. DC/5V --- 5V Power Interface;
2. OUTPUT1-10 --- HDMI OUT1-10;
3. INPUT --- HDMI IN;
4. EDID --- DIP switch, using for EDID management;
5. IR --- IR TX Extension Interface;
6. RS232 --- RS232 port;
7. Reset --- Reset button;
8. OFF/ON --- Power switch;

## DIP EDID Switch Description:

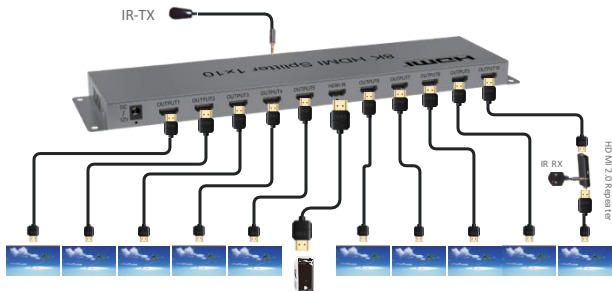
1	2	3	4	Functional description
X	0	0	0	copy output1 EDID only
X	0	0	1	Downward compatibility(1-10) outputs
X	0	1	0	4K/60Hz 2ch
X	0	1	1	1080p 3D 2ch

1	2	3	4	Functional description
X	1	0	0	8K/60Hz 5.1ch
X	1	0	1	4K/30Hz 2ch
X	1	1	0	1080p 2D 2ch
X	1	1	1	1080p 2D 5.1ch

which is decided by DIP EDID switch 1,

1 is upgrading mode, 0 is normal working mode. (switch down is 1, otherwise is 0)

## Application diagram:



There is an IR TX Extension port, it can work with an optional HDMI 2.0 repeater which works as IR-RX and IR extended via HDMI cable.(output 2~10 support IR extension function)

## Connection and Operation:

- 1: connect the HD source to the splitter input with one hdmi cable
- 2: connect the splitter output to the diaplays with 8 hdmi cables
- 3: connect 12V/2A power adapter to the splitter.
4. Reset button: it's a Reset key for system Reset.

## Package Content:

- |                  |     |                             |
|------------------|-----|-----------------------------|
| 1. HDMI splitter | 1PC | 4. IR cable (optional)      |
| 2. Power adapter | 1PC | 5. HDMI repeater (optional) |
| 3. User manual   | 1PC |                             |