

HDMI SPLITTER

HDMI Splitter 1x16 (4K30Hz)



Where every Moment comes Alive

ER2845SP16

HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

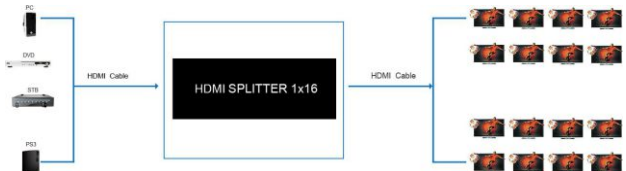
Introduction

The HDMI 4K 1x16 splitter is designed to distribute a one HDMI source to sixteen HDMI displays simultaneously, making it ideal for multi-monitor setups or presentations. Supporting resolutions up to 3840x2160 at 30Hz, it ensures high-quality video output across all connected screens. Additionally, this splitter can be used to regenerate HDMI signals, enhancing signal strength over long cable runs for consistent performance.

Features

- **HDMI 1.4b Support:** Compatible with **HDMI 1.4b** version for reliable performance.
- **3D Video Format:** Supports **3D video formats** for immersive viewing experiences.
- **High Resolution:** Handles **resolutions up to 3840x2160 at 30Hz** for clear and detailed visuals.
- **Deep Color:** Supports **8/10/12-bit deep color** for vibrant and accurate color reproduction.
- **Multiple HDMI Sinks:** Distributes **one HDMI source to up to sixteen HDMI displays** (e.g., DVD player, A/V receiver, set-top box).
- **Power Supply:** Includes a **12V/5A power adapter** for operation.
- **Data Rate:** Supports **3.2Gbps data rate for TMDS clock up to 320MHz**.
- **AWG26 HDMI Standard Cable Support:**
 - **1080p & Below:** Input up to 15 meters, Output up to 25 meters.
 - **4K Resolution:** Input up to 12 meters, Output up to 15 meters.

Connection Diagram



Specifications

- **HDMI Version:** HDMI 1.4b
- **HDMI Resolution:** Up to 3840×2160/30Hz
- **Video Color Format:** Supports 8/10/12-bit deep color
- **Audio Format Support:** DTS-HD, Dolby-TrueHD, DTS, Dolby-Ac3, DSD
- **Max Bandwidth:** 320MHz
- **Max Transmission Bandwidth:** 3.2Gbps
- **Input Cable Distance:**
 - **1080p resolution:** ≤ 15m (AWG26 HDMI standard cable)
 - **4K resolution:** ≤ 12m (AWG26 HDMI standard cable)
- **Output Cable Distance:**
 - **1080p resolution:** ≤ 25m (AWG26 HDMI standard cable)
 - **4K resolution:** ≤ 15m (AWG26 HDMI standard cable)
- **HDMI Input:** 1 HDMI port
- **HDMI Output:** 16 HDMI ports
- **Max Working Current:** 2.15A
- **Power Adapter:**
 - **Input:** AC (50Hz, 60Hz) **100V-240V**
 - **Output:** DC 12V/5A
- **Operating Temperature Range:** -15°C to +55°C
- **Operating Humidity Range:** 5% to 90% RH (No Condensation)
- **Dimension (L × W × H):** 460 × 150 × 40 mm
- **Weight:** 1680g

Connection and operation

1.Connect the HDMI Source:

Use one HDMI cable to connect the HD source (e.g., DVD player, gaming console, set-top box) to the splitter input.

2.Connect the Displays:

Use 16 HDMI cables to connect the splitter output to up to 16 display devices (e.g., TVs, monitors, projectors).

3.Power the Splitter:

Connect the 12V/5A power adapter to the splitter to ensure proper operation.