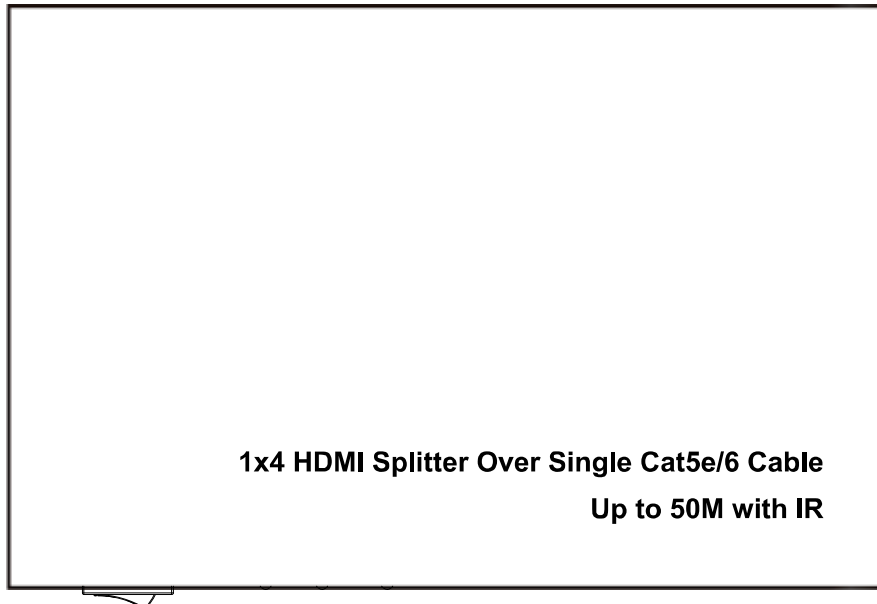# 1x4 HDMI Splitter Over Single Cat5e/6 Cable

Up to 50M with IR

Operating Instructions

Notice

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute the warranty of any kind, express or implied.

Features

- Distribute 1 HDMI singal to 4 identical UTP outputs synchronously, with 1xlooping HDMI output.
- Transmit over 50m single Cat5e/6 cable.
- Can be cascaded for 4 layers.
- With wide-band Bi-Direction IR control (38 ~ 56 kHz). (IR extension from Sender to Receiver or from Receiver to Sender)
- Support Full HD 1080p, VESA resolution: 1920x1200.
- Supports Dolby$^{®}$ TrueHD, DTS-HD$^{®}$ Master Audio$^{™}$.
- Support 3D.

Package Contents

- 1 x HDMI Splitter
- 1 x 12V DC Adapter
- 1 x User Manual

SPECIFICATIONS

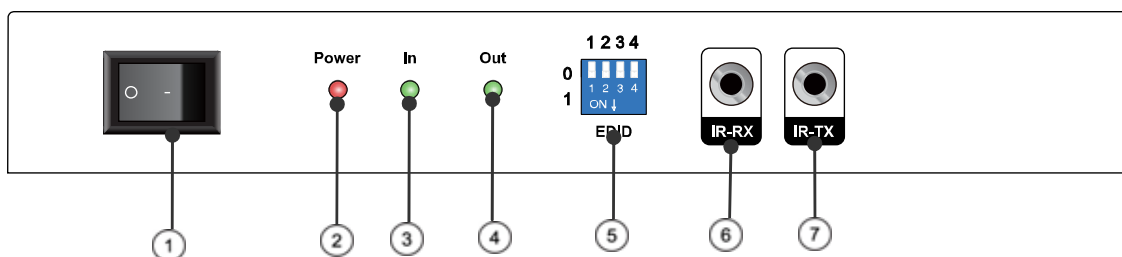|	
Operating Temperature Range	-5 to +35℃(+23 to +95℉)
Operating Humidity Range	5 to 90%RH (No Condensation)
Video Amplifier Bandwidth	140MHz
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p(TTL)
Data transfer speed rate	6.75Gbps(Maximum)
Input port	1xHDMI
Output ports	4xCat5e/6, 1xHDMI
Video Format Supported	DTV/HDTV:720P/1080i/1080P VESA resolution:1920x1200[①] 3D video support
Vertical Frequency range	60Hz
Support Audio Format	DTS-HD Master Audio, Dolby True HD, multi-channel 5.1, stereo etc [②]
Transmission Distance	1080P 8-bit 50m Over single cat5e or cat6 cable/24AWG/Solid[③]
Power consumption	12W(Max)
Dimension (L×W×H)	L203xW134xH29.2mm
Net Weight	823.1g

Note: ① The transmission distance is Max 40m under 1920x1200 resolution.
    ② The distance is 40m under 5.1CH or 7.1CH.
    ③ Under perfect transmission conditions including straight cable runs with no electrical interference, bends, kinks, patch panels or wall outlets.

PANEL DESCRIPTIONS

Front Panel

1. Power on/off: press the up/down to open/close the device.
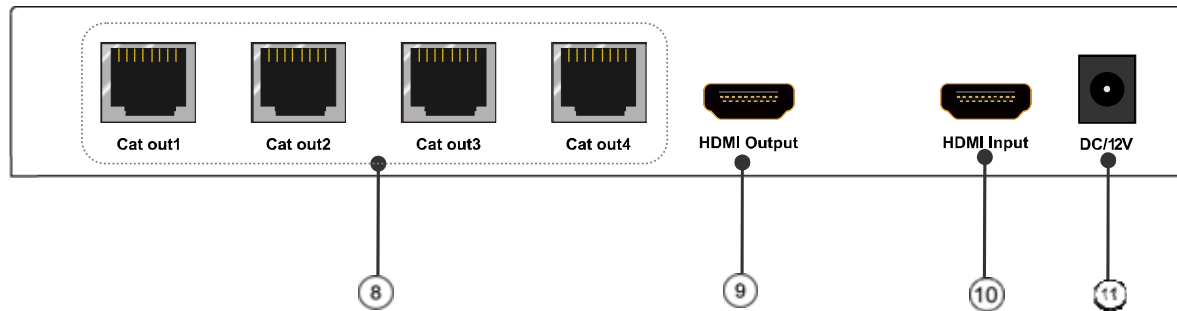
2. Power input indicator

3. Indicator of HDMI input

4. Indicator of HDMI output

5. DIP switch for EDID setting

6. IR-RX port

7. IR-TX port

Rear Panel

8. CAT-5E/6 out ports

9. HDMI output

10. HDMI input

11. Power input
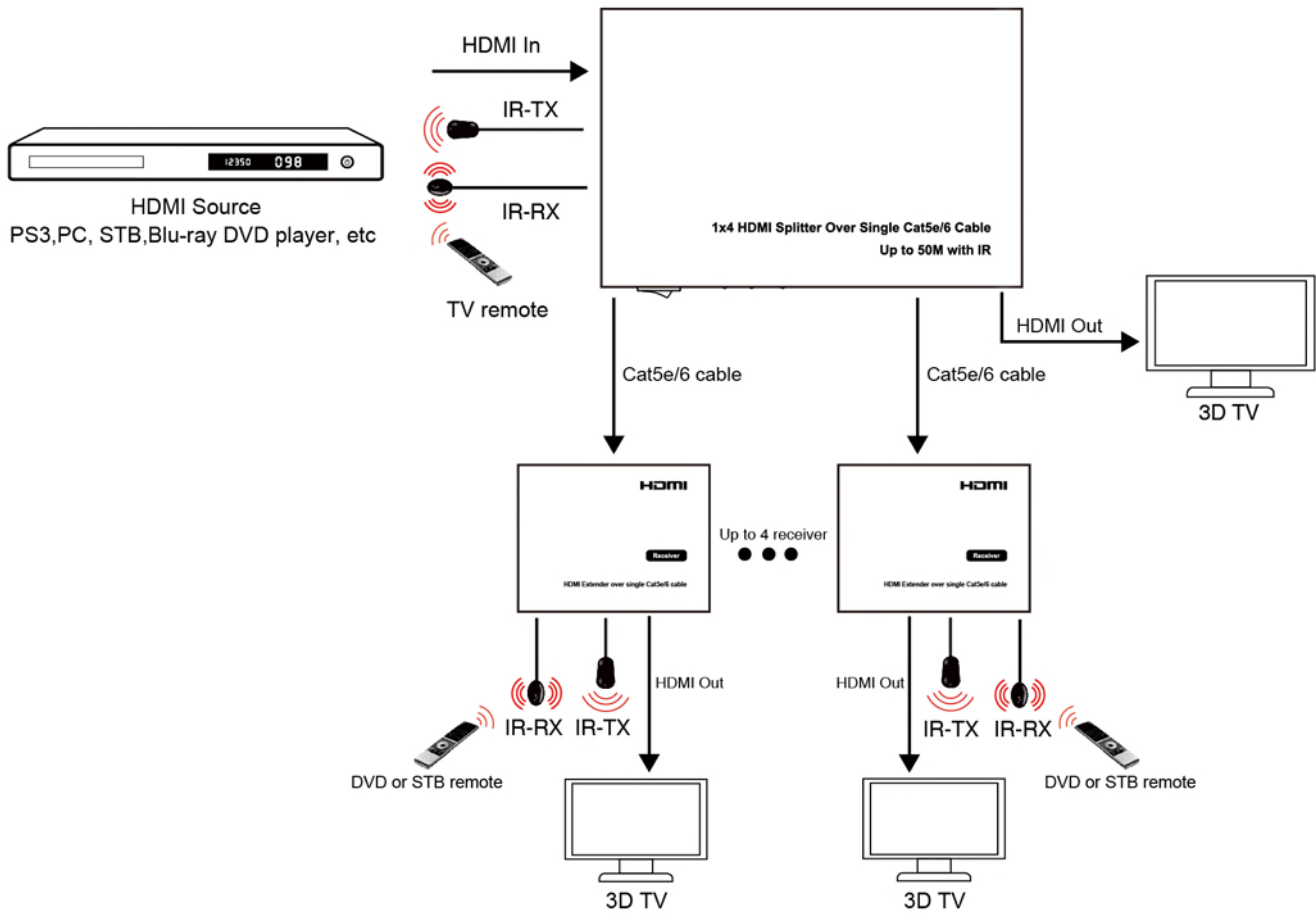
DIP Switch for EDID Setting

DIP Switch	EDID
0000	Default (1080P2D 2ch)
0001	Copy from HDMI output
0010	1080P2D 2CH
0011	1080P2D 6CH
0100	1080P2D 8CH
0101	Reserved
0110	1080P3D 2CH
0111	1080P3D 6CH
1111	1080P3D 8CH

Connecting and operating

1) Connect the HDMI input source into HDMI splitter.
2) Connect HDMI splitter and receiver by single cat5e/6 cable
(The cable termination must follow the standard of EIA/TIA 568B).
3) Connect the HDMI display (such as HD-LCD/HD-DLP) into the HDMI output of receiver.
4) Connect the Loop HDMI output port of HDMI Splitter with the HDMI Display (such as HD-LCD/HD-DLP) by HDMI cable.
5) Plug IR TX cable and IR RX cable to IR port of the Splitter.
6) Plug IR TX cable and IR RX cable to IR port of the Receiver.
7) Insert the DC 12V power supply into HDMI splitter and receiver.

Connection Diagram

Application 1:

Application 2: Cascade for 4 layers

4