

UHD 1x4 HDMI Splitter

LUXONOS

User manual

I. Introduction

This 1 by 4 HDMI UHD Splitter with HDCP 2.2 is an advanced solution for splitting a single HDMI input to four HDMI outputs. It provides high performance audio and video output through HDMI cables up to 4K2K@60Hz (YUV444) resolution and is capable of receiving and transmitting up to 18Gbps of bandwidth with no data loss. Supporting the latest features you can be assured of reliable and high quality HDMI distribution.

II. Features

1. Compliant with HDMI2.0, HDCP2.2 and DVI 1.0;
2. Support video format up to 4k2k@30Hz with 24bit RGB/YcbCR 4:4:4/YCBCR 4:2:2,and up to 4k2k@60Hz with 12bit YCBCR 4:4:4;
3. Support 3D frame sequential video format up to 1080p@60;
4. Support high resolution VESA mode video format up to QSXGA@60Hz;
5. Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio;
6. Supports smart EDID control;

IV. Specifications

1.	Video Bandwidth	600MHz/18Gbps
2.	Input Ports	1 × HDMI (Female type)
3.	Output Ports	4 × HDMI (Female type),
4.	Output Resolution	480i ~1080p50/60, 4Kx2K@24/30, 4k2k@60Hz
5.	ESD Protection	Human Body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)
8.	Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified)
9.	Chassis Material	Aluminum
10.	Operating Temperature	0 °C~40 °C/ 32 °F~104 °F
11.	Storage Temperature	-20 °C ~ 60 °C/-4 °F ~140 °F
12.	Relative Humidity	20~90 % RH (non-condensing)
13.	Power Consumption (Max)	5W

V. Operation controls and Functions

Front Panel & Rear Panel





1. **POWER LED:** This LED illuminates when the device is connected with power supply.
2. **OUT LED:** These LEDs will light up to indicate which HDMI outputs are connected to an active TV/display/monitor.
3. **IN LED:** This LED illuminates when the Source connected to the device.

4. A:Copy EDID: Output 1 is prior port

1).When output 1 is connected to display, another display which connected to output 2 will follow the resolution of output 1

2).When output 1 is disconnected, output 2 will output 1080P only

B:Mixed EDID: always follow the lowest resolution of the displays connected to output2 in order to support all displays show the source

5. HDMI OUT 1~4: Connect each of the HDMI outputs to an HDMI display for simultaneous HDMI distribution, or cascade the output to another transmitter to extend the operating distance.

6. HDMI IN: Connect the input port to the HDMI or DVI output of your source device such as a DVD player or set-top box with an HDMI cable.

7. DC 5V: Plug the 5V DC power supply into the unit and connected the adaptor to an AC outlet.