



48Gbps 1x4 HDMI Splitter

This 48Gbps 1x4 HDMI Splitter is an advanced solution for splitting single HDMI signal to 4 HDMI outputs synchronously, with video resolution up to 8K@60 4:2:0 12bit. It supports data rates up to 48Gbps to comply with HDMI 2.1 and HDCP 2.3 requirements. It includes several features for ease of integration, including EDID management, cable equalization. This multi-functional product can work well with xbox or PS5 to achieve 4K@120Hz on your TVs or relative monitors.

Featured Highlights

- HDMI 2.1 and HDCP 2.3 compliant
- Support 48Gbps FRL and 18Gbps TMDS video bandwidth
- Support video resolution up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
- HDMI 2.1 protocols: VRR, ALLM, QMS, QFT, SBTM are supported
- Support HDR, HDR 10, HDR 10+, Dolby Vision, HLG pass-through
- LPCM 7.1CH, Dolby TrueHD, Atmos and DTS-HD Master, DTS:X Audio pass-through
- 8K to 4K or 8K/4K to 1080P auto downscaling on all outputs
- HDR to SDR auto converting on all outputs
- Advanced EDID management
- Compact design for easy and flexible installation

TECHNICAL

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps
Video Resolution	Up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
Color Depth	8/10/12bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	HDMI input/output: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Input	1 × HDMI IN [Type A, 19-pin female]
Output	4 × HDMI OUT [Type A, 19-pin female]
Control	1 × SERVICE [USB Type C, Update port]

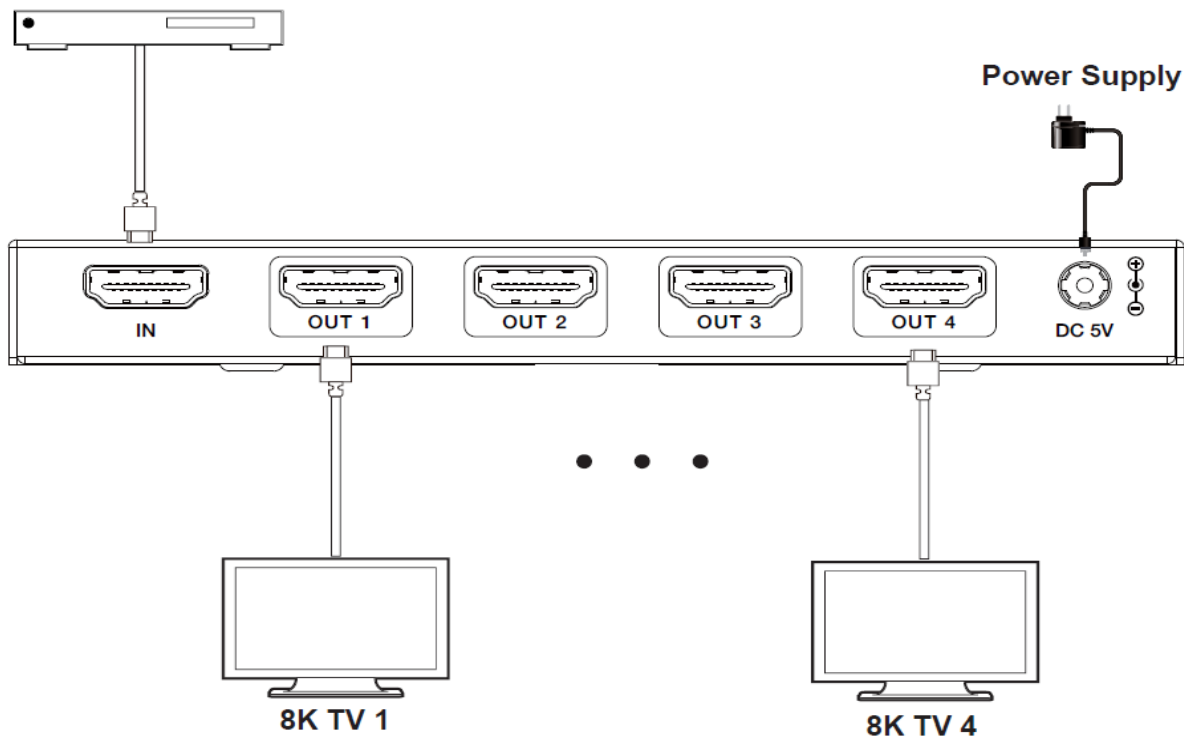
MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	145mm (W) × 68mm (D) × 17mm (H)
Weight	263g
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)
Power Consumption	5.5W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Recommended HDMI Cable

Video Resolution	8K60	4K60	1080P
HDMI Cable Type	Ultra HDMI 2.1 cable	HDMI 2.0 cable	HDMI cable
HDMI Cable Length (HDMI IN / OUT)	2m/6.6ft ~ 3m/10ft	8m/26ft	15m/49ft

The use of "Premium High Speed HDMI" cable is highly recommended.

Classic Application Example
DVD or Blu-ray Player

Applications

AV distribution system in Digital signage, Shopping malls, Video-wall, etc.