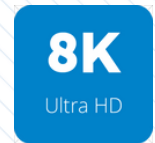




HDMI 2.1 48Gbps 1x8 Splitter

500512



Overview

The HDMI 2.1 48Gbps 1x8 Splitter (model: 500512) is a versatile device with various applications, offering advanced features for splitting HDMI signals.

The HDMI 2.1 48Gbps 1x8 Splitter's ability to handle high data rates, support 8K resolution, and provide features like EDID management and cable equalization makes it suitable for a wide range of applications in both residential and commercial settings.

Applications

- Home Entertainment Systems
- Gaming Setups
- Professional AV Installations
- Digital Signage
- Educational Institutions
- Medical Imaging
- Broadcasting and Production
- Event Venues

Key Features

- HDCP 2.3 compliant
- Supports 48Gbps FRL and 18Gbps TMDS video bandwidth
- Supports 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
- Support HDR, HDR 10, HDR 10+, Dolby Vision, HLG pass-through
- LPCM 7.1CH, Dolby True HD, Atmos and DTS-HD Master Audio
- 8K to 4K or 8K/4K to 1080P auto downscaling on all outputs
- Support resolution auto downscaling on each output
- Support auto converting of HDR to SDR on each output
- Advanced EDID management

Specification

Technical

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3, HDCP 1.4
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Video Resolution	Up to 8K/60Hz 4:2:0 12bit, 4K/120Hz 4:4:4 12bit
Color Depth	8/10/12 bit
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	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

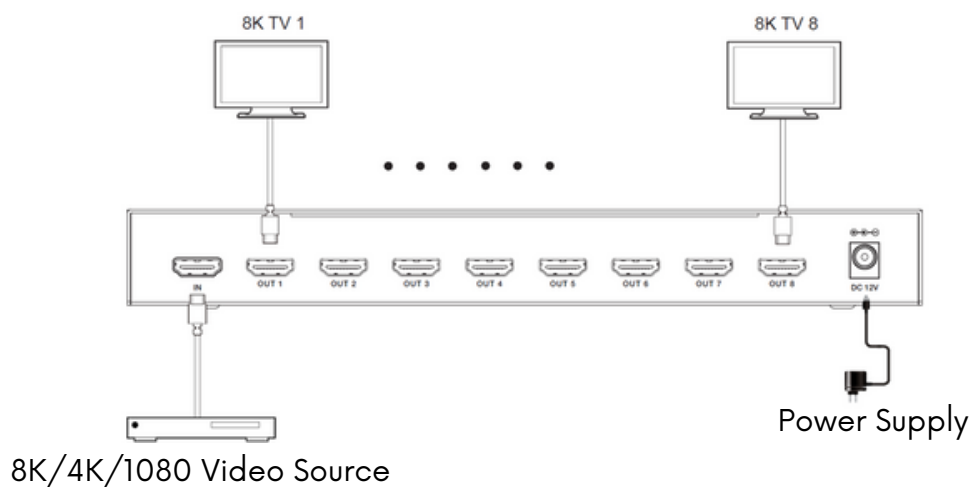
Connection

Input	1 × HDMI IN [Type A, 19-pin female]
Output	8 × OUT HDMI OUT [Type A, 19-pin female]
Control	1 × SERVICE [USB Type C, Update port]

Mechanical

Housing	Metal Emclosure
Color	Black
Dimensions	250mm (W) × 104mm (D) × 30mm (H)
Weight	743g
Power Supply	12VDC/2.5A
Power Consumption	12.2W (Max)
Operating 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)
Warranty	2 years
Order Information	500512 HDMI 2.1 48Gbps 1x8 Splitter (UPC: 627699005125)

Application Example



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