

# HDMI 2.1 48Gbps 1x2 Splitter

500510

## Overview

The HDMI 2.1 48Gbps 1x2 Splitter (model: 500510) is a versatile device with various applications, offering advanced features for splitting HDMI signals.

The HDMI 2.1 48Gbps 1x2 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
- Compatibility Testing
- Event Venues

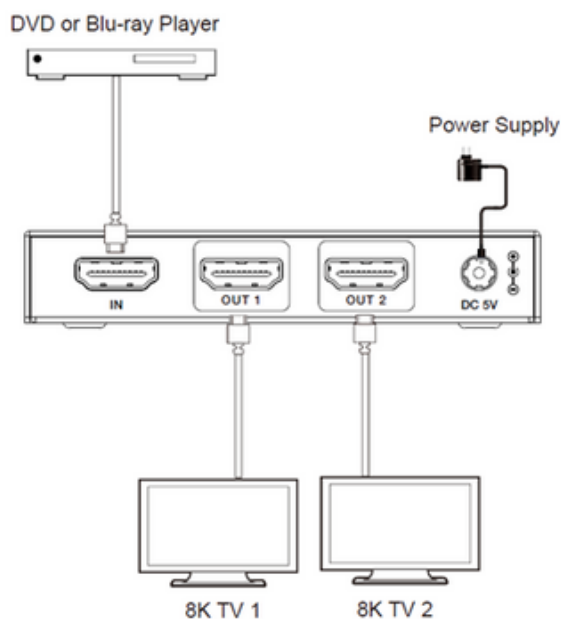
## Key Features

- HDMI 2.1 and 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 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

# Specification

Technical	
HDMI Version	Support HDMI 2.1 and HDCP 2.3
Video Bandwidth	48Gbps
Video Resolution	Up to 8K/60Hz 4:2:0 12bit, 4K/120Hz 4:4:4 12bit
Color Depth	8/10/12 bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
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
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	Human body model — $\pm 8\text{kV}$ (Air-gap discharge) & $\pm 4\text{kV}$ (Contact discharge)
Connection	
Input	1 x HDMI IN [Type A, 19-pin female]
Output	2 x HDMI OUT [Type A, 19-pin female]
Control	1 x SERVICE [USB Type C, Update port]
Mechanical	
Housing	Black Metal Housing
Dimensions	95mm (W) x 68mm (D) x 18mm (H)
Weight	177g
Power Supply	Input: 100-240VAC 50/60Hz, Output: 5VDC/2A
Power Consumption	4.3W Max
Operating Temperature	0°C ~ 40°C
Storage Temperature	-25°C ~ +70°C
Warranty	2 years
Order Information	500510 HDMI 2.1 48Gbps 1x2 Splitter (UPC: 627699005101)

## Application Example



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