



# HDMI 2.1 48Gbps 4x1 Switch with Audio De-embedder

500513



## Overview

The HDMI 2.1 48Gbps 4x1 Switch with Audio De-embedder (model: 500513) is a 4-in-1-out 8K switch. It supports 4 HDMI signal inputs and 1 HDMI signal output, the highest resolution is 8K@60Hz and is backward compatible. A variety of control methods (IR remote control and RS-232 switch) can easily switch the content of the 4 HDMI signal sources to the display. The product is widely used in security monitoring, media entertainment, broadcasting, command centers, and more.

## Applications

- Ideal for security surveillance setups requiring high-resolution video switching.
- Capable of handling 8K resolution, providing detailed and clear visuals for monitoring purposes.
- Enhances the audio-visual experience in home theaters and entertainment systems.
- Enables seamless switching between multiple HDMI sources, crucial for live broadcasts and production studios.
- Supports high-quality video switching for mission-critical applications in control rooms.

## Key Features

- Support 4 HDMI signal input and 1 HDMI signal output.
- 8K@60Hz resolution and backward compatible.
- Multiple switching modes: IR remote control, RS-232 command control.
- Support additional digital audio output from S/PDIF port.
- Firmware can be upgraded through Micro USB.
- Support EDID passthrough and HDMI 3D, VRR (Free Sync, G-sync).
- HDR10+, Dolby Vision, HLG, YUV4:4:4 supported.
- Lightning protection, surge protection, ESD protection.

# Specification

## Video

HDMI Version	Support HDMI 2.1 and HDCP 2.3
Video Input	4x HDMI
Video Output	1 x HDMI Type A Female
HDMI Resolution	7680x4320/24/25/30/50/60Hz, 4096x2160/24/25/30/50/60/100/120Hz, 3840x2160/24/25/30/50/60/100/120Hz, 3440x1600/60Hz, 3440x1440/60Hz, 2560x1600@60Hz, 2560x1440/60/100/120Hz, 2560x1080/60Hz, 2048x1080/60Hz, 1920x1440/60/100/120Hz, 1080p/50/60/100/120Hz, 1080i/50/60Hz, 720p/50/60Hz
Transmission speed	48Gbps
Video Bandwidth	1200MHz

## Audio

Audio Supported format	S/PDIF Output: Dolby Atmos, Dolby True HD, DTS:X, DTS-HD, HDMI Input: Dolby Atmos, Dolby Digital 7.1CH, Dolby True HD, DTS:X, DTS-HD, LPCM 7.1CH,
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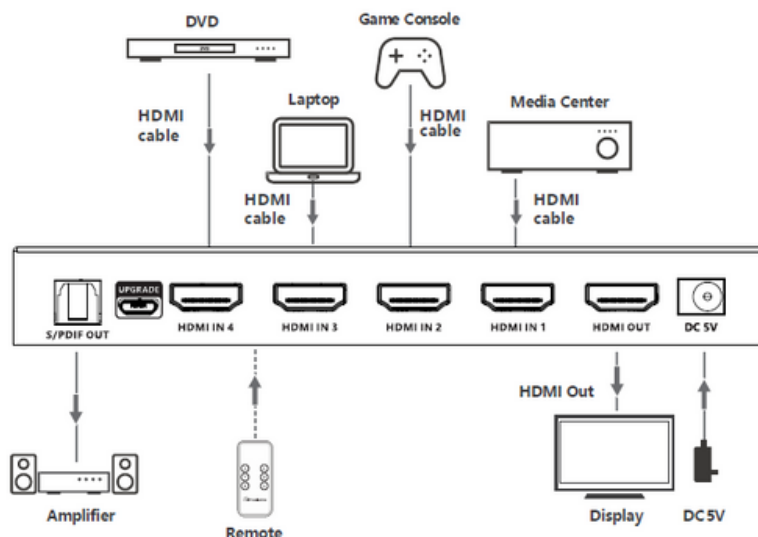
## Control

Rs-232	3 pin (GND/RxD/TxD) , baud rate 9600
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## General

Power Supply	5VDC 1.0A
Power Consumption	< 2.0W Max
Operating Temperature	0°C ~ +55°C
Storage Temperature	-25°C ~ +70°C
Warranty	2 years
Order Information	500513 HDMI 2.1 48Gbps 4x1 Switch with Audio De-embedder (UPC: 627699005132)

## Application Example



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2321 Cohen | St-Laurent , H4R 2N7 | Québec, Canada Tel: 514-905-0588 | Fax:  
514-905-0589 | Toll free: 1-877-689-5228 info@muxlab.com |  
salesteam@muxlab.com | www.muxlab.com

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