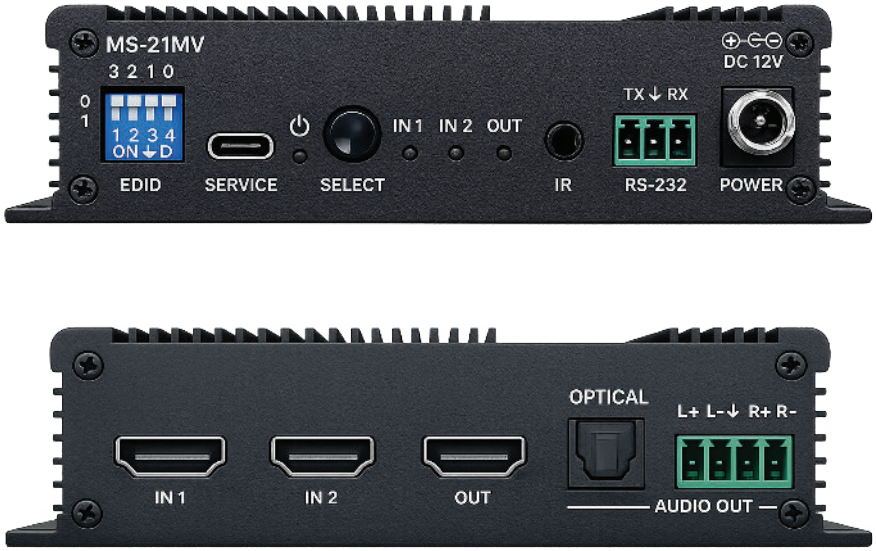
MS-21MV

8K HDMI 2x1 Switcher

Solutions



Description:

The MS-21MV Switcher can switch any of the two 8K HDMI source signals to one 8K HDMI display. It supports video resolution up to 8K60 FPS 4:2:0 12bit. It features a 4-pin DIP switch for advanced EDID management. It supports digital and analog audio de-embedding function (analog audio output with gain control). It can be controlled via front panel buttons, IR remote and RS-232 API commands. The built-in HDMI signal generator function can quickly diagnose external device connections. This multi-functional product can be widely applied in various scenarios.

Key Features:

- Video resolution up to 8K60 FPS YCbCr 4:2:0 12bit, 8K30 FPS RGB/YCbCr 4:4:4 12bit or 4K120 FPS RGB/YCbCr 4:4:4 12bit, as specified in HDMI 2.1
- HDCP 2.3 compliant
- HDR, HDR10, HDR10+, Dolby Vision, ALLM/VRR pass-through
- HDMI audio formats pass-through: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Digital and analog audio de-embedding (analog audio output with gain control)
- Auto or manual switching mode
- Built-in signal equalizer, retiming and driver
- Advanced EDID management
- Control via front panel buttons, IR remote and RS-232 API commands
- Compact design for easy and flexible installation

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Technical Specifications:

Technical	
HDCP Compliance:	HDCP 2.1
Video Bandwidth:	48Gbps
Audio Latency:	No latency
Video Latency:	No latency
Video Resolution:	Up to 8K60 YCbCr 4:2:0 12bit, 8K30 RGB/YCbCr 4:4:4 12bit or 4K120 RGB/YCbCr 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
IR Level:	12Vp-p
IR Frequency:	Wideband 20K-60KHz
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 **Audio de-embedding output:** Optical: Up to LPCM/Dolby/DTS 5.1CH Analog: Only LPCM 2CH
ESD Protection:	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Input:	2x HDMI 2.1 IN
Output:	1x HDMI 2.21 OUT 1x OPTICAL AUDIO OUT [S/PDIF, female] 1x L/R AUDIO OUT [5pin-3.5mm Phoenix connector]
Control:	1x RS-232 [3pin-3.5mm Phoenix connector] 1x IR CTL [3.5mm stereo mini-jack] 1x SERVICE [USB Type C, Update port]

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Technical Specifications (cont.):

Mechanical	
Housing:	Metal enclosure
Silkscreen Color:	Black
Dimensions:	142mm [W] × 70mm [D] × 32mm [H]
Weight:	600g
Power Supply:	Input: AC100 - 240V 50/60Hz Output: DC 12V/2A (US/EU standards, CE/FCC/UL certified)
Power Consumption:	5.04W (max)
Operating Temperature:	-10°C ~ 45°C (14°F ~ 113°F)
Storage Temperature:	-20°C ~ 60°C (-4°F ~ 140°F)
Relative Humidity:	20%~90% (relative humidity, non-condensing)

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