

DVDO

DVDO-Switcher-21SS-MV

4K 2x1 Seamless HDMI Switcher with Multiview & Audio Output



DVDO-Switcher-21SS-MV is a 2x1 seamless HDMI switcher that can route up to two sources to a single display.

It supports HDMI signals with resolutions up to 4K60 4:4:4 with an 18Gbps bandwidth.

The HDMI output has separate analog and optical audio connections.

DVDO-Switcher-21SS-MV offers 4 different display modes including a single view mode and 3 multiview modes allowing both sources to be displayed on the same screen.



The unit can be controlled via the front panel buttons, IR remote, OSD menu navigation, control software or RS-232.

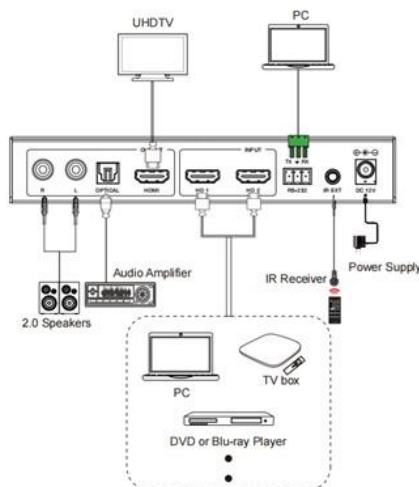
Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Support resolutions up to 4K@60Hz 4:4:4 18Gbps
- Support LPCM, AC3, DD+, DTS, DTS-HD, up to 7.1 audio channel
- 4 display modes: Single, PIP, PBP (1), PBP (2)
- Seamless switching
- Audio de-embedding via analog and optical fiber audio ports
- Volume control and independent audio selection
- EDID management
- Control via front panel buttons, IR remote, OSD menu navigation, control software, RS-232

Applications

- Conference Rooms
- Hospitality
- Digital Signage
- Houses of Worship
- Education
- Restaurants
- Retail
- Residential

Application Diagram



Technical Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / 1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60 4:4:4
IR Level	5Vp-p
IR Frequency	38KHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8 bit
Audio Formats	HDMI audio: PCM2.0/5.1/7.1CH, Dolby Digital/Plus, DTS, DTS High Res Analog audio: [3.5mm L/R]: PCM2.0 SPDIF Optical audio: PCM2.0, Dolby Digital, DTS 5.1 (doesn't support HBR audio)
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connections	
Input ports	2 x HDMI IN [Type A, 19-pin female]
Output ports	1 x HDMI OUT [Type A, 19-pin female] 1x L/R OUTPUT [RCA] 1 x OPTICAL OUT [S/PDIF]
Control ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack]
Mechanical	
Housing	Black metal enclosure
Dimensions	175mm [W] x 100mm [D] x 30mm [H]
Weight	497g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	4.56W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)