

DVDO

DVDO-Matrix-42SS-MV

4K 4x2 Seamless HDMI Matrix Switcher with Multiview & Audio Outputs

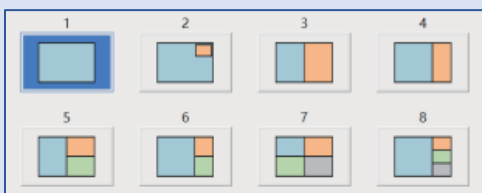


DVDO-Matrix-42SS-MV is a 4x2 multiviewer seamless matrix switcher that can route independently up to four HDMI sources to two separate displays.

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

Each HDMI output has separate analog and optical audio connections.

DVDO-Matrix-42SS-MV offers 8 different display modes for each output ranging from a single view mode to different multiview modes allowing 2, 3 or all 4 sources to be displayed on the same screen.



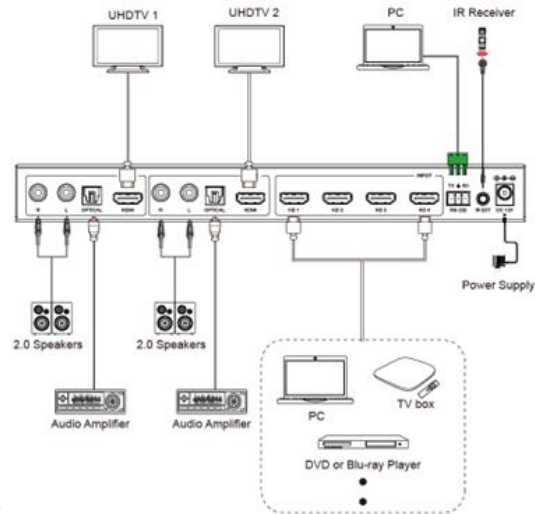
Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- 18Gbps uncompressed bandwidth, input and output resolution up to 4K2K@60 4:4:4
- HDMI audio formats support LPCM, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through
- Seamless switching between inputs
- Combined multiple images independent layouts to display on two displays
- Up to 8 display modes: Single, PIP, PBP(1), PBP(2), Triple(1), Triple(2), Quad(1), Quad(2)
- Audio de-embedding via analog and optical fiber audio ports
- Control via front panel buttons, IR remote, OSD menu navigation, controller software & RS-232
- Each output supports scaling function
- Support independent audio selection
- Advanced EDID management

Applications

- Conference Rooms
- Education
- Hospitality
- Restaurants
- Digital Signage
- Retail
- Houses of Worship
- 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	8/10/12-bit
Audio Formats	HDMI audio: PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio Analog audio: [3.5mm L/R]: PCM2.0 Optical fiber audio: PCM2.0/5.1/7.1CH, Dolby Digital/plus, DTS 5.1
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connections	
Input ports	4 x HDMI IN [Type A, 19-pin female]
Output ports	2 x HDMI OUT [Type A, 19-pin female] 2 x L/R OUTPUT [RCA] 2 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	270mm [W] x 130mm [D] x 30mm [H]
Weight	906g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power Consumption	15.72W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)