

SW-42-MV

18 Gbps 4x2 HDMI Seamless Video Matrix /w Multiviewer

FEATURE:

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- 18 Gbps 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 input channels
- Combined multiple images independent layouts to display on two UHD TVs
- 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 commands
- Each output port supports Scaler function
- Support independent audio selection
- Advanced EDID management
- Compact design for easy and flexible installation



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This 4x2 Multiviewer Seamless UHD Video Matrix Switcher is designed to support high-resolution output (4K@60) for multiple sources across two screens. It accepts four HDMI input sources and independently combines these video signals onto two HDMI UHD or HD monitors. Users can manage and arrange each input, creating various combinations of the four inputs across the two displays and adjusting their positions as needed. The switcher supports eight display modes, allowing flexible switching among four HD input channels. It supports both single-screen and multiview displays. The device handles input resolutions up to 4K@60 (RB) and offers audio de-embedding via RCA and Optical for external audio systems. Control options include front panel buttons, an IR remote, OSD menu navigation, controller software, and RS-232 commands.



Switchers

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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	4x HDMI IN [Type A, 19-pin female] 2x HDMI OUT [Type A, 19-pin female]
Output ports	2x L/R OUTPUT [RCA] 2x OPTICAL OUTPUT [S/PDIF]
Control ports	1x RS-232 [3pin-3.81mm phoenix connector] 1x IR EXT [3.5mm Stereo Mini-jack]

Mechanical

Housing	Metal Enclosure
Color	Black
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)
Operation Temperature	32°F - 104°F / 0°C - 40°C
Storage temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (no condensation)