

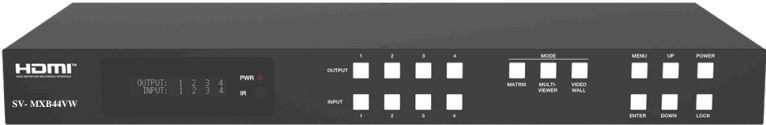


4x4 HDMI 2.0 Seamless Matrix with Video Wall and Multiview

SV-MXB44VW

4K/60 UHD (4:4:4) | HDCP 2.2 Compatible

The Solvision SV-MXB44VW 18Gbps 4x4 Seamless Matrix is a perfect solution for video transmission from 4 HDMI sources to 4 HDTV displays. It has a video wall and multi-viewer functions with multiple display modes. 4x4 IR matrix, audio embedded and de-embedded are also supported. Video resolution is up to 4K@60Hz 4:4:4. Each source can be individually scaled. And seamless switching ensures a smooth picture transition without frame loss. This matrix can be controlled via front panel buttons, IR remote, RS-232 and Web GUI..



CONNECTIVITY AND QUALITY

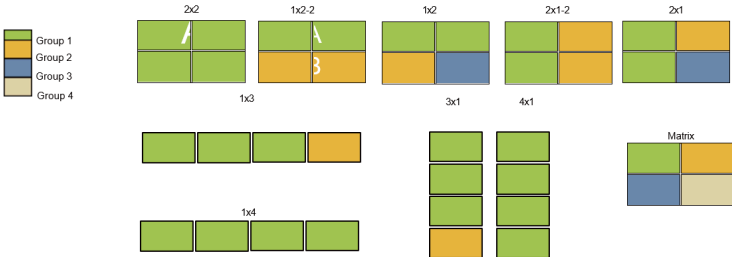
This device supports a wide range of input resolutions up to 4096x2160p 60Hz. It also could de-embed audio from any of the sources in different formats for your external audio system. Supported audio formats are LPCM, AC3, DD+, DTS, DTS- HD. User can control the volume of audio in LPCM format.

Features

- Compliance: HDMI 2.0b, HDCP 2.2, and HDCP 1.x compliant.
- High Bandwidth: 18Gbps uncompressed bandwidth, supporting resolutions up to 4K2K@60 4:4:4.
- Audio Support: HDMI audio formats include LPCM, DD+, DTS, Dolby TrueHD, and DTS HD-master pass-through.
- Seamless Switching: Smooth transitions between input channels.
- Multi-Image Layouts: Display multiple independent layouts on two UHD TVs.
- Display Modes: Offers up to 8 modes - Single, PIP, PBP(1), PBP(2), Triple(1), Triple(2), Quad(1), Quad(2).
- Audio De-embedding: Available via analogue audio ports.
- Control Options: Front panel buttons, IR remote, RS-232, and Web GUI.
- Scaler Function: Each output port supports scaling.
- Independent Audio Selection: Allows separate audio selection.
- Advanced EDID Management: This is for better compatibility with connected devices.

Video Wall

The matrix supports10 categories of display modes as below



The switcher supports (8) categories of multiview display modes: SINGLE, PIP, PBP (1), PBP (2), Triple(1), Triple (2), Quad (1), Quad (2)

Users can select different operations for different Multiview modes as following:



Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / 1.x
Video Bandwidth	594MHz/18Gbps
Video Resolution	480i ~1080P@50/60Hz, 4K2K@24/30Hz, 4K2K@60Hz
IR Level	12Vp-p
IR Frequency	Wideband 20K-60KHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12-bit
	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
Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX,DTS- 96/24, DTS High Res, DTS-HD Master Audio DTS 5.1
ESD Protection	Human body model — ±8kV (Air-gap discharge) &
	±4kV (Contact discharge)
Connection	
Input ports	4 x HDMI IN [Type A, 19-pin female]
	4 x HDMI OUT [Type A, 19-pin female]
Output ports	4 x Audio 3pin Phoenix Connector
Control ports	1 x TCP/IP [RJ45]
	1 x RS-232 [D-Sub9]
	1 x IR EXT [3.5mm, StereoMini-jack]
	4 x IR INPUT[3.5mm, Stereo Mini-jack]
	4 x IR OUTPUT[3.5mm, Stereo Mini-jack]
Mechanical	
Housing	Metal Enclosure
Dimensions	440mm [W] × 203mm [D] × 44.5mm [H]
Weight	2.55kg
Power Supply	Input: AC 100 - 240V 50/60Hz
	Output: DC 12V/2.5A (US/EU standard, CE/FCC/ROHS certified)
Power Consumption	25W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)
Safety	CE,FCC,RoHS,(ISO9001:2015,14001:2015,45001:2018, 27001:2022 -IAF Certified)