

SC-SW0404E-A-MV-Wall

4K Wall Matrix Switcher

Model Number:#2808241133



Features

- HDCP 2.2 and compliant
- Support video resolution up to 4K@60Hz 4:4:4 and 18Gbps video bandwidth, as specified in HDMI 2.0b
- Support seamless switching
- Support 4 route L/R balanced audio output
- Each output supports horizontal mirror and vertical mirror
- Blank screen, blue screen and output off are optional when no signal outputs
- HDMI audio format: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio
- Support CEC control, and multiple video resolution output
- Support power-off memory and advanced EDID management
- Control via front panel buttons, IR remote, RS-232, and Web GUI
- Compact design for easy and flexible installation, standard height of 1U

Product Overview

The 18Gbps 4x4 Seamless Matrix is an advanced video transmission solution designed for seamless integration with 4 HDMI sources and 4 HDTV displays. It supports ultra-high-definition video resolutions up to 4K@60Hz with 4:4:4 chroma sub sampling, ensuring stunning picture quality and vivid color accuracy.

Key Features

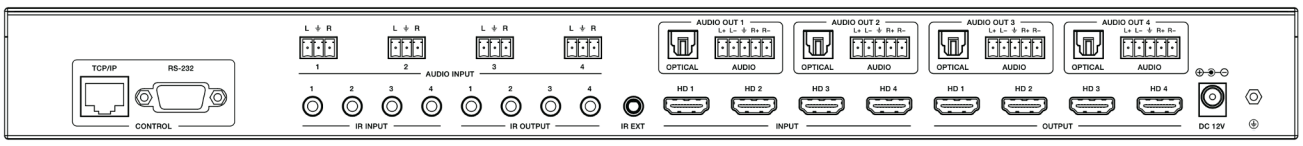
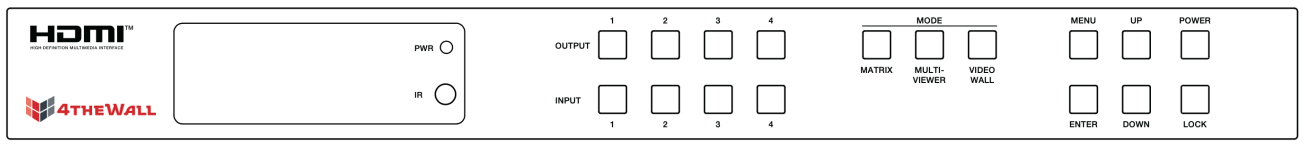
- **4K UHD Resolution:** Supports video resolutions up to 4K@60Hz 4:4:4, providing crystal-clear images and exceptional detail.
- **Independent Resolution Downscaling:** Each output can independently downscale video resolutions, allowing for flexible display configurations.
- **Video Wall Functionality:** Built-in video wall feature enables the creation of multi-display setups, perfect for control rooms, digital signage, and large-scale visual presentations.
- **Seamless Switching:** Enjoy smooth picture transitions without frame loss, ensuring uninterrupted viewing experiences during source changes.
- **Audio Integration:** Equipped with 4 routes of L/R audio output channels for balanced audio distribution, enhancing the overall audiovisual experience.
- **Front Panel Buttons:** Easily accessible control through the front panel.
- **IR Remote:** Convenient remote control for effortless operation.
- **TCP/IP & RS-232 Control:** Integrate with external control systems for **4TheWall MC24** automation, 3th party automation and advanced management.
- **Web GUI:** Access the built-in WEB server for intuitive and remote control via any web browser.

Applications

- **Broadcasting:** Perfect for live production setups where multiple video sources need to be monitored simultaneously.
- **Control Rooms:** Ideal for monitoring and controlling various feeds in security or operations centers.
- **Corporate Presentations:** Enhances professional presentations by allowing multiple content streams to be displayed simultaneously on a single screen.

Benefits

- **Seamless Switching:** Ensure smooth transitions between video sources with no interruption in display quality.
- **Enhanced Productivity:** View multiple inputs simultaneously to improve workflow and decision-making processes.
- **User-Friendly Interface:** Easily manage and customize input layouts with the included software, tailored to specific needs.



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Technical Specifications

Input and Output	
Inputs	4 × HDMI 2.0b Input (Type A, 19-pin female) 4 × L/R Audio Input (3 pin Phoenix) 4 × IR Input (3.5 mm)
Outputs	4 × HDMI 2.0b Output (Type A, 19-pin female), 4 × Optical audio Output (S/PDIF), 4 × L/R Audio Output (3.5mm, 5pin Phoenix) 4 × IR Output (3.5 mm)
Inputs Resolution	Up to 4K@60Hz
Outputs Resolution	Up to 4K@60Hz
General Features	
Video Bandwidth	18Gbps
Color Space	RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:2:0
Color	8/10/12bit
HDCP	HDCP 2.2
Audio Formats	Analog: LPCM 2CH, HDMI: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Aud, SPDIF: LPCM 2.0CH/Dolby/DTS 5.1CH
Ports And Management Features	
Network Port	1 × RJ45
Serial Port	1 × RS232 (9 Pin D-Sub)
Management and Control	WEB GUI, IR Remote Control, TCP/IP & RS232 (3pin Phoenix) with API
Others	
Power Connection	Input: AC 100-240V 50/60Hz, Output: DC 24V/3.75A
Working Temperature	32 - 104°F / 0 - 40°C
Humidity Range	20 - 90% RH (no condensation)
Storage Temperature	-4 - 140°F / -20 - 60°C
Dimensions	440mm × 300mm × 44.5mm - Width/Depth/Height, Metal Enclosure
Weight	2,55kg
Power Value/Consumption	25W (Max)
Mounting	Rack Mounted / Desktop
ESD Protection	±8kV (Air-Gap Discharge) & ±4kV (Contact Discharge)
Certifications	
EU/USA	CE/FCC/UL
Package Details	
Package Contents	1 × 18Gbps 4x4 4K Wall Matrix Switcher 1 × 24V/2.5A Locking Power Supply 1 × IR Remote 5 × IR Wideband Receiver Cable (1.5m) 1 × RS-232 Serial Cable 4 × 5pin-3.5mm Phoenix Connector 4 × 3pin-3.5mm Phoenix Connector 8 × Machine Screw 1 × User Manual