VM-0808

HDMI 8x8 Matrix Switcher

Overview

The VM-0808 is the HDMI Matrix Switcher, which can switch any of these 8 HDMI 2.0 sources to 8 HDMI 2.0 displays. Each input and output supports up to 4K60Hz 4:4:4 resolution and HDCP 2.2. The outputs can be individually scaled for 1080p. De-embedded audio as analog L/R and coaxial is available for both outputs. The ARC function can return display device audio to coaxial port output only. Advanced EDID management is supported. With its 18Gbps bandwidth and the additional features with latest HDMI standards. This switcher can be controlled from the front panel, RS-232, IR remote, or TCP/IP.

Features

- 8 x 18G HDMI 2.0 video inputs & output support up to 4K60 444 resolution
- De-embedded audio to analog L/R and Coaxial ports output
- Built-in Web GUI for TCP/IP control
- All input support CEC commound input

- 8 outputs can be individually scaled for 4K→1080p
- ARC audio return to the coaxial ports output only
- Advanced EDID management supported
- Support pannel control, WEB, IR, RS232, TCP/IP control

Accessories

- 8×8 HDMI 2.0 18Gbps Matrix Switcher
- IR Remote
- IR Extension cord
- 2 x Mounting Ears

- 2 x Power Adapter
- 2 x Power Cable
- 9 x 3-pin Phoenix Connector
- User Manual

Size & Weight

Length	440mm
Width	220mm
Height	44.5mm
Weight	≈2.8Kg

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Connection

Extended Features	All output support 4k -> 2k Analog audio (input embed; output unembed) S/PDIF audio (input embed; output unembed) ARC unembed CEC commound embed EDID custom edit
Pannel	LCD Monitor, Power lamp
Video Input	8x HDMI Type A (19-pin female)
Video Output	8x HDMI Type A (19-pin female)
Audio Input	4x RS-232 (Phoenix jack) S/PDIF Coaxial connector Optical fiber Coaxial connector
Audio Output	4x RS-232 (Phoenix jack) S/PDIF Coaxial connector Optical fiber Coaxial connector
IR 3.5	Connector
RS232	4x 3 Pin Phoenix jack (9600,N,8,1 Baud)
LAN	RJ45 Connector (Default IP: 192.168.1.100)

Templerature & Humidity

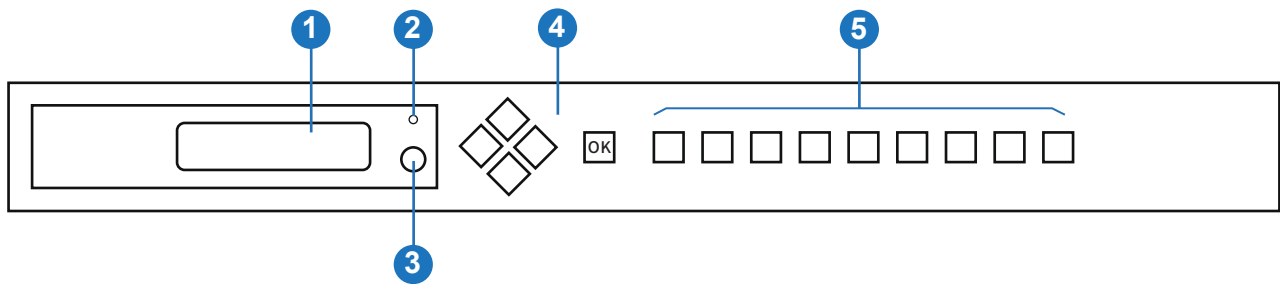|	
Operating Templerature	0°C - 40°C (-32°F - 104°F)
Storge Templerature	-20°C - 60°C (-4°F - 140°F)
Relative Humidity	20 - 90% RH (No condensation)

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Specifications

Frequency Brandwidth	18Gbps
Output	HDCP 2.2 and HDCP 1.4
Video Type	HDMI2.0b, HDMI1.4, HDMI1.3, DVI1.0, HDCP2.2/1.x
Video Resolution	4k@60Hz, 1080P@120@ 3D
Color Space	RGB, YCbCr 4:4:4/4:2:2/4:2:0
Color Depth	8bit, 10bit, 12bit,16bit
High Dynamic Range Imaging	HDR10, HDR10+, Dolby Vision, HLG
Audio HDMI Input	LPCM 2/5.1/7.1, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Audio SPDIF Input	LPCM 2.0,LPCM5.1, Dolby Digital / Plus, DTS
Audio Simulation Output	PCM2.0
Vmax	2Vrms
THD+N Ratio	＜ 0.1%（V Max） 0.001%~0.01%（V best）
Signal To Noise Ratio	＜ 90dB
Crosstalk	＜ 80dB
Frequency Response	20Hz~20kHz ±0.5dB
Transmission Distance	HDMI(Ultrl High Speed): 4K@60Hz ≤ 5m, 4K@30Hz ≤ 10m, 1080P@60Hz ≤ 15m
Housing	Metal Enclosure
Color	Black
Power Consumption	43W (max), 24W (Standby)
Power Supply	DC 24V / 2.5A redundant dual power interface, split external power supply
Cooling	Active f'an cooling
Electrostatic Discharge	±8kV (air discharge), ±4kV (contact discharge)

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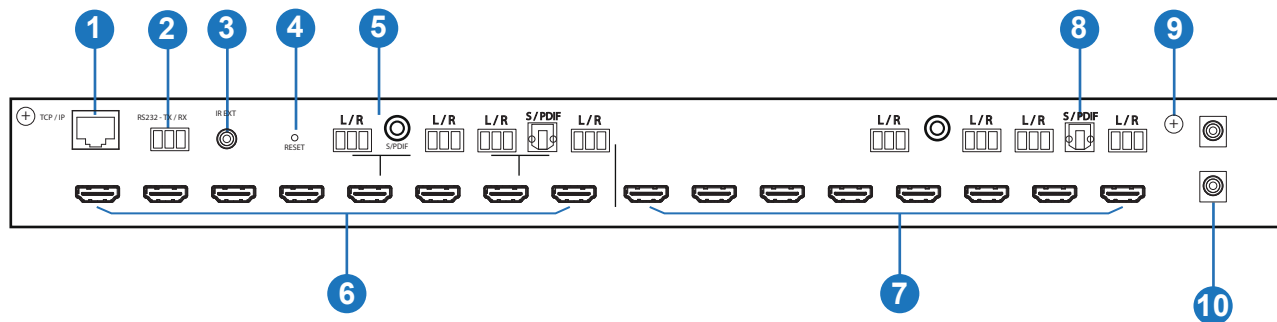# Operation Control & Functions

Front Panel

① LCD Monitor	Display routing or setting information, cooperate with the 4,5 buttons to properties to query and set.	
② Power Lamp	The indicator light is always on when the device is powered on, and flashes slowly (1s) when it is in standby.	
③ IR Receiver	It's used to receive infrared remote control commands.	
④ Menu Control Button	Control the menu selection, press the 'ok' button for 5 second to lock / unlock the panel.	
⑤ Number Control Button	Press the number to switch the input and output.	

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Operation Control & Functions

Rear Panel

№	Name	Description
①	TCP/IP Port	TCP/IP control port, connect to PC or router with an RJ45 cable.
②	RS-232 port	Connect to a PC or control system by -pin phoenix jack to transmit RS-232 command.
③	IR Expansion Port	The function is same to IR receiver after connecting the infrared receiving cable.
④	Reset Button	Press 6 second to reset the device to default state.
⑤	Audio Input	The S/PDIF port supports up to PCM5.1 channel digital audio input.
⑥	HDMI Input	Connect different device.
⑦	HDMI Output	Connect different device.
⑧	Audio Output	Use it when you need to unembed the audio from HDMI or ARC.
⑨	Ground Terminal	Used to connect the external ground wire and fix the cable management frame.
⑩	DC 24V Power Port	To connect the power adapter, please use the supplied original power adapter, if the original power adapter is lost, be sure to use the Safety compliant power adapter.

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