



# M2-0808-H2

4K HDMI 2.0 Audio De-embedder, Volume Control, HDR, HDCP2.3 Down Scaled Output Matrix Switcher

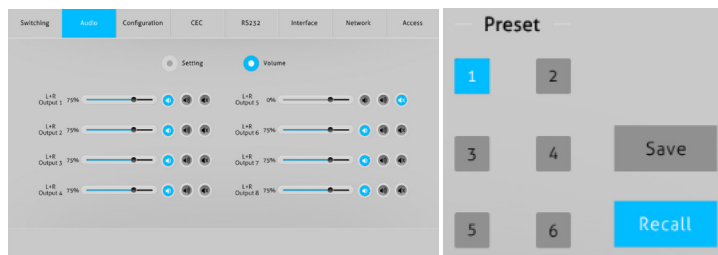
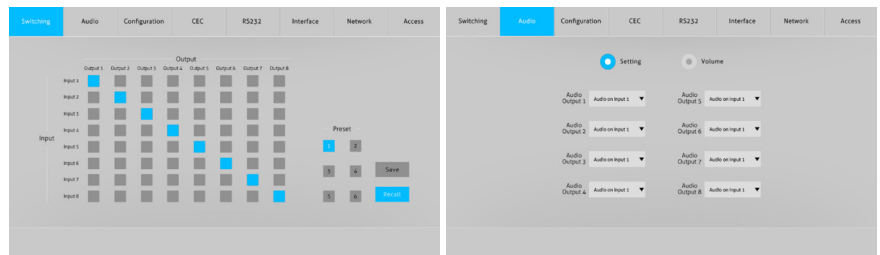


The VitBest M2-0808-H2 is a professional 8x8 HDMI 2.0 Matrix Switcher with Audio Matrix. It includes 8 HDMI inputs, 8 HDMI outputs and the last four outputs with down-scaling function, which is designed for switching four HDMI2.0 and HDCP2.3 compliant signals. It also features 8 SPDIF and 8 analog audio outputs for audio matrix. The matrix switcher features comprehensive EDID management and advanced HDCP handling to ensure maximum functionality with a wide range of video sources. The matrix switcher not only supports bi-directional IR, RS232 extension but also has IR, RS232, and TCP/IP control options.

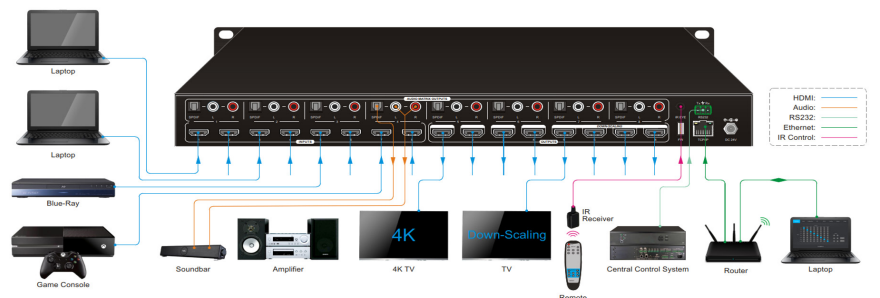
## FEATURES

- 8x8 HDMI 2.0 Matrix Switcher
- Support 4K.60 4:4:4, HDR, HDCP 2.3 Compliant
- Audio Matrix, audio out can de-embedded from arbitrary input or output
- Individual volume adjustment on each L+R output
- Supports 4K to 1080p down-scaling up to 4 outputs
- HDMI out provides 2.5W to power Active Optical Cable (AoC)
- HDMI Output support up to 5V500mA for AoC cable
- Controllable by front panel, IR, RS232 and TCP/IP
- HDMI Audio Signal supports LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through
- External Power Supply: Input: AC 100~240V, 50/60Hz; Output: 24V DC 2.71A
- Maximum Power Consumption: 24W.

## GUI CONTROL INTERFACE



## SYSTEM DIAGRAM



### About VitBest

VitBest is a professional digital audio video products manufacturer dedicates in manufacturing high quality, reliable and stable products. For audio-visual system integrators, a trustworthy distribution and control electronics components means much more than their sizes.

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## TECHNICAL SPECIFICATIONS

### VIDEO

Video Input	(8) HDMI
Video Input Connector	(8) Type-A female HDMI
Video Input Video Resolution	Up to 4K@60Hz 4:4:4, HDR
Video Output	(8) HDMI
Video Output Connector	(8) Type-A female HDMI
HDMI Output Resolution	Up to 4K@60Hz 4:4:4, HDR10 and Dolby Vision
HDMI Output	Supports up to 5V500mA for AoC cable
HDMI Version	Up to 2.0
HDCP Version	Up to 2.3
HDMI Audio Signal	LPCM 7.1 audio, Dolby AtmosR, DolbyR TrueHD, Dolby DigitalR Plus, DTS:X™, and DTS-HDR Master Audio™ pass-through.

### DIGITAL AUDIO OUTPUT

Output	(8) Digital SPDIF audio
Output Connector	(8) Toslink connector
Digital SPDIF Audio Format	Supports PCM, Dolby Digital, DTS, DTS-HD
Frequency Response	20 Hz to 20 kHz, ±1dB
Max Output Level	±0.05dBFS
THD+N	< 0.05%, 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0dBFS level (or max level)
SNR	> 90dB, 20Hz-20 kHz bandwidth
Crosstalk Isolation	< -70 dB, 10 kHz sine at 0dBFS level (or max level before clipping)
Noise	-90dB

### ANALOG AUDIO OUTPUT

Output	(8) Analog L/R Audio
Output Connector	(8) L&R (RCA)
Digital SPDIF Audio Format	PCM 2CH
Frequency Response	20 Hz to 20 kHz, ±1dB
Max Output level	2.0Vrms ± 0.5dB. 2 V = 16 dB headroom above -10dBV (316 mV) nominal consumer line level signal
THD+N	< 0.05%, 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0dBFS level (or max level)
SNR	> 80dB, 20Hz-20 kHz bandwidth
Crosstalk Isolation	< -80 dB, 10 kHz sine at 0dBFS level (or max level before clipping)
L-R Level deviation	< 0.05 dB, 1 kHz sine at 0dBFS level (or max level before clipping)
Output Load Capability	1k ohm and higher (supports 10x paralleled 10k ohm loads)
Noise	-80dB

### CONTROL

Control Port	(1) FIRWARE, (1) IR EYE, (1) RS232, (1) TCP/IP
Control Connector	(1) USB-A, (1) 3.5mm jack, (1) 3-pin terminal block, (1) RJ45

### GENERAL

Transmission Distance	4K/60Hz/444 5m, 4K/60Hz/420 10m, 1080P 15m
Bandwidth	18Gbps
Operation Temperature	-5~ +55°C
Storage Temperature	-25 ~ +70°C
Relative Humidity	10% - 90%
External Power Supply	Input: AC 100V~240V, 50/60Hz; Output : 24V DC 2.71A
Power Consumption	24W
Dimension (W*H*D)	436.4mm*44mm*236mm
Net Weight	3kg



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