

ENGINEERING FOR QUALITY

EUROSOUND

The HM88A-4K-IP 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.

AV PROCESSOR

HM88A-4K-IP

HDMI 2.0 Matrix



EUROSOUND

For any enquiry please contact us.

Email: sales@eurosound.co

WWW.EUROSOUND.CO

ENGINEERING FOR QUALITY

HM88A-4K-IP

HDMI 2.0 Matrix



MAIN FEATURES

- 8x8 HDMI 2.0 Matrix Switcher.
- Supports 4K/60 4:4:4, HDR, HDCP2.3 compliant.
- Audio Matrix, audio out can be 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
- HDMI Output support up to 5V500mA for AOC cable
- Controllable by front panel, IR, RS232 and TCP/IP.

SPECIFICATION

Video	
Input	(8) HDMI
Input Connector	(8) Type-A female HDMI
Input Video Resolution	Up to 4K@60Hz 4:4:4 HDR
Output	(8) HDMI
Output Connector	(8) Type-A female HDMI
Output Video 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 Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® 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, ± 1 dB
Max Output level	± 0.05 dBFS
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 0 dBFS level (or max level before clipping)
Noise	-90dB

SPECIFICATION (Cont.)

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, ± 1 dB
Max output level	2.0Vrms ± 0.5 dB. 2V = 16dB 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) IR EYE, (1) RS232, (1) FIRMWARE, (1) TCP/IP
Control Connector	(1) 3.5mm jack, (1) 3-pin terminal block, (1) USB-A, (1) RJ45

SPECIFICATION (Cont.)

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 100~240V, 50/60Hz; Output: 24V DC 1.25A
Maximum Power Consumption	24W
Dimension (W*H*D)	436.4mm*44mm*236mm
Net Weight	3 kg