

	iMatrix H44AM	iMatrix H88AM
Model	(4) HDMI	(8) HDMI
Video Input	(4) Type-A female HDMI	(8) Type-A female HDMI
Input Connector	Up to 4K@60Hz 4:4:4, HDR	Up to 4K@60Hz 4:4:4, HDR
HDMI Input Resolution	(4) HDMI	(8) HDMI
Video Output	(4) Type-A female HDMI,	(8) Type-A female HDMI
Output Connector	Up to 4K@60Hz 4:4:4, HDR10 and Dolby Vision	Up to 4K@60Hz 4:4:4, HDR10 and Dolby Vision
HDMI Output Resolution	Supports up to 5V500mA for AoC cable	Supports up to 5V500mA for AoC cable
HDMI Output	Up to 2.0	Up to 2.0
HDMI Version	Up to 2.3	Up to 2.3
HDCP Version		
HDMI Audio Signal	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.
Output	(4) Digital SPDIF audio	(8) Digital SPDIF audio
Output Connector	(4) Toslink connectors	(8) Toslink connectors
Digital SPDIF Audio Format	Supports PCM, Dolby Digital, DTS, DTS-HD	Supports PCM, Dolby Digital, DTS, DTS-HD
Frequency Response	20 Hz to 20 kHz, ±1dB	20Hz to 20KHz,±1dB
Max Output Level	±0.05dBFS	±0.05dBFS
THD+N	< 0.05%, 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0dBFS level (or max level)	< 0.05%, 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0dBFS level (or max level)
SNR	> 90dB, 20Hz-20 kHz bandwidth	> 90dB, 20Hz-20kHz bandwidth
Crosstalk Isolation	< -70 dB, 10 kHz sine at 0dBFS level (or max level before clipping)	< -70 dB, 10 kHz sine at 0 dBFS level (or max level before clipping)
Noise	-90dB	-90dB
Output	(4) Analog L/R Audio	(8) Analog L/R Audio
Output Connector	(4) L&R (RCA)	(8) L&R (RCA)
Digital SPDIF Audio Format	PCM 2CH	PCM 2CH
Frequency Response	20 Hz to 20 kHz, ±1dB	20 Hz to 20 kHz, ±1dB
Max Output Level	2.0Vrms ± 0.5dB. 2V = 16dB headroom above -10dBV (316 mV) nominal consumer line level signal	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)	< 0.05%, 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0dBFS level (or max level)
SNR	> 80dB, 20Hz-20 kHz bandwidth	> 80dB, 20Hz-20 kHz bandwidth
Crosstalk Isolation	< -80 dB, 10 kHz sine at 0dBFS level (or max level before clipping)	< -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)	< 0.05 dB, 1 kHz sine at 0dBFS level (or max level before clipping)
Output load capability	< ± 0.5dB 20Hz - 20KHz	< ± 0.5 dB, 1 kHz sine at 0dBFS level (or max level before clipping)
Noise	1k ohm and higher (supports 10x paralleled 10k ohm loads)	1k ohm and higher (supports 10x paralleled 10k ohm loads)
Control port	(1) IR EYE, (1) RS232, (1) FIRMWARE, (1) TCP/IP	(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	(1) 3.5mm jack, (1) 3-pin terminal block, (1) USB-A, (1) RJ45
Transmission Distance	4K/60Hz/444 5m, 4K/60Hz/420 10m, 1080P 15m	4K/60Hz/444 5m, 4K/60Hz/420 10m, 1080P 15m
Bandwidth	18Gbps	18Gbps
Operation Temperature	-5°C ~ +55°C	-5°C ~ +55°C
Storage Temperature	-25°C ~ +70°C	-25°C ~ +70°C
Relative Humidity	10% ~ 90%	10% ~ 90%
External Power Supply	Input: AC 100~240V, 50/60Hz; Output: 24V DC 1.25A	Input: AC 100V~240V, 50/60Hz; Output : 24V DC 2.71A
Power Consumption	18.3W	24W
Dimension (W*H*D)	436.4mm*44mm*236mm	436.4mm*44mm*236mm
Net Weight	2.6kg	3kg