

# MAT.HDBT88-4K

MAT.HDBT88-4K is a professional 4K 8x8 HDBaseT Matrix Switcher with 8 x HDMI Input (HDMI1.4 & HDCP2.2 compliant) and 8x HDBaseT, 4 x HDMI Output with de-embedded audio, supporting 4Kx2K@60Hz & 1080P 3D, and controllable by front panel buttons, IR, RS232, or GUI. The HDBaseT outputs transmit 4K signal up to 131ft (40m), 1080P signal up to 230ft (70m) over single Cat5e/Cat6 cable. The Matrix Switcher supports PoC function, which makes no need of power supply at the receiver end. It also features EDID management.



Input	8 x HDMI (female)
Output	4 x HDMI (female), 8 x HDBaseT (RJ45)
Gain	0 dB
Video Signal	HDMI (or DVI-D)
Signal Level	T.M.D.S. 2.9V~3.3V
Transmission Distance	1080P@60Hz ≤70m, 4Kx2K@30Hz ≤40m
Bandwidth	10.2 Gbps
Resolution Range	Up to 4Kx2K, 1080P 3D
Switching Speed	200ns (Max.)
EDID Management	In-built EDID data and manual EDID management
HDCP	Input: HDCP 2.2 support Output: HDCP 1.4 support
Audio Output	Analog audio(3-pin pluggable terminal block)
PCM Format	Distortion: 0.1% 32Ω/70mW@1KHz, 0.1% 16Ω/105mW@1KHz
Frequency Response	20Hz~20KHz
Control	1 x IR EYE, 1 x IR ALL IN, 1 x TCP/IP, 1 x RS232, Front panel buttons
Temperature	0~ 50°C
Reference Humidity	10% ~ 90%
Power Supply	100V~240V AC
Power Consumption	110W (full load)
Dimension (W*H*D)	W437xH87.8xD380(mm)
Weight	5.4Kg



- 8 HDMI Input support HDMI 1.4 & HDCP2.2, and compliant with lower standards
- Support manual input HDCP auto-detecting and output manual HDCP management
- 4 HDMI Output support HDMI1.4& HDCP1.4, transmit 4Kx2K signal for 8m
- 8 HDBaseT outputs transmit 4K signal up to 131ft (40m), 1080P signal • up to 230ft (70m) over single CAT5e/6 cable, support PoC
- Controllable via front panel, TCP/IP, and bi-directional IR& RS232
- Powerful EDID management

