SW88-150EX

8x8 HDMI 4K 18 Gbps Matrix with Extenders

FEATURE:

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Video resolution up to 4K2K@60Hz (YUV 4:4:4) on all HDMI & HDBaseT ports
- 8 HDMI inputs, 8 HDMI & HDBaseT mirrored outputs
- HDMI ports transmit 18Gbps lossless uncompressed video bandwidth
- Support 18Gbps lossless compressed HDBaseT signal transmission
- Support 4K->1080P Down Scaler for each output port
- HDR, HDR10, HDR10+, Dolby Vision, HLG are supported
- HDBaseT output can extend video transmission distance up to 492ft / 150m for 1080P or 394ft / 120m for 4K2K via a single Cat 5e/6/7 cable
- HDMI audio pass-through up to 7.1CH HD audio (LPCM,
- Dolby TrueHD and DTS-HD Master Audio)
- Support IR matrix
- Audio de-embedded is supported via analog and coax ports
- Advanced EDID management and CEC control are supported
- 24V POC on all HDBaseT ports
- 2U rack mounted design with front panel OLED display
- Control via front panel buttons, IR remote, RS-232, LAN and Web GUI



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The 18Gbps 8x8 HDBaseT (150M) Matrix allows connection of 8 HDMI sources to 16 displays. It features 8 HDMI outputs, each mirrored with a simultaneous CAT-Cable output. The HDBaseT output extends video transmission up to 492ft / 150m using a single Cat 5e/6/7 cable, supporting video resolutions up to 4K2K@60Hz 4:4:4. The matrix supports audio de-embedding to analog and coaxial outputs. Each HDMI output independently supports downscaling from 4K2K to 1080P. It includes IR matrix support, with IR signals mapped one-to-one at the Matrix end and following the HDMI video channel at the HDBaseT Receiver end. The matrix features an intuitive front panel with an OLED screen and can be controlled via front panel buttons, IR remote, RS-232, LAN, and Web GUI.

Audio
Visual
Equipment

Switchers

8x8 HDMI 4K 18 Gbps Matrix

SW88-150EX 8x8 HDMI 4K 18 Gbps Matrix

SPECIFICATIONS:

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.X
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@50/60Hz (4:4:4)
Color Space	RGB, YCbCr 4:4:4/4:2:2/4:2:0
Color Depth	8-bit, 10-bit, 12-bit (1080p@60Hz)
	8-bit (4K2K@60Hz YUV4:4:4)
	8-bit,10-bit,12-bit (4K2K@60Hz YCbCr 4:2:2/4:2:0
HDR	HDR10, HDR10+, Dolby Vision, HLG
HDMI Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
Coax Audio Formats	PCM 2.0, Dolby Digital / Plus, DTS 2.0/5.1
Analog Balanced Audio Formats	PCM2.0
Vmax	2Vrms
SNR	＞90dB
THD+N Ratio	＜0.1%（V_max） 0.001%~0.01%（V_best）
Crosstalk	＞80dB
Frequency Response	20Hz~20kHz ±0.5dB
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Matrix	
Input Ports	8x HDMI Type A [19-pin female]
Output Ports	8x HDMI Type A [19-pin female]
	8x HDBaseT port [RJ45]
	8x Coaxial audio [3.5mm Stereo Mini-jack]
	8x balanced analog audio [5-pin Phoenix connector]
Control Ports	9x IR IN [3.5mm Stereo Mini-jack]
	9x IR OUT [3.5mm Stereo Mini-jack]
	1x TCP/IP [RJ45]
	1x RS-232 [D-Sub 9]
HD BaseT Receiver	
Input Ports	1x HDBT IN [RJ45, 8-pin female]
Output Ports	1x HDMI Type A [19-pin female]
	1x AUDIO OUT [3.5mm Stereo Mini-jack]
Control Ports	1x IR IN [3.5mm Stereo Mini-jack]
	1x IR OUT [3.5mm Stereo Mini-jack]
	1x RS-232 [3-pin Phoenix connector]
	1x SERVICE [Mini-USB, Update port
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	Matrix: 440mm (W) × 374mm (D) × 88.6mm (H)
	Receiver: 140mm (W) x 65mm (W) x 18mm (W)
Weight	Matrix: 6.54Kg, Receiver: 155g
Power Supply	AC 100 - 240V 50/60Hz
Power Consumption (Max)	125W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)