

SW44-150EX

4x4 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
- 4 HDMI inputs, 4 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
- 1U 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 4x4 HDBaseT Matrix allows you to connect four HDMI sources to eight displays. It features four HDMI outputs, each mirrored to provide simultaneous CAT-Cable outputs. The HDBaseT output can extend video transmission up to 492ft / 150m using a single Cat 5e/6/7 cable, with resolutions up to 4K2K@60Hz 4:4:4. Audio de-embedding is supported in both analog and coaxial formats. Each HDMI output supports independent downscaling from 4K2K to 1080P. The matrix supports IR control, with one-to-one control at the Matrix end and IR signals following the HDMI video channel at the HDBaseT receiver end. It includes an intuitive front panel with an OLED screen and supports control via front panel buttons, IR remote, RS-232, LAN, and Web GUI.



Switchers

4x4 HDMI 4K 18 Gbps Matrix
Seamless



SW44-150EX 4x4 HDMI 4K 18 Gbps Matrix Seamless

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	4x HDMI Type A [19-pin female]
	4x HDMI Type A [19-pin female]
Output Ports	4x HDBaseT port [RJ45]
	4x Coaxial audio [3.5mm Stereo Mini-jack]
	4x balanced analog audio [5-pin Phoenix connector]
	5x IR IN [3.5mm Stereo Mini-jack]
Control Ports	5x 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) x 200mm (D) x 44.5mm (H)
	Receiver: 140mm (W) x 65mm (W) x 18mm (H)
Weight	Matrix: 3.1Kg, Receiver: 155g
Power Supply	AC 100 - 240V 50/60Hz
Power Consumption (Max)	60W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)