

VEO-MXH48T

MATRIXES

4K HDBaseT and HDMI® 8x8 Matrix



PRODUCT OVERVIEW

VEO-MXH48T is an 8x8 HDBaseT and HDMI® matrix with support for up to 4K/UHD video resolution, 60 Hz and 4:4:4 chroma sampling. It includes 8 analogue audio inputs and 16 analogue and digital audio de-embedding outputs as well as EDID management, an LCD display and an integrated WebGUI that allows to configure and control the unit in a very user-friendly way. The HDBaseT outputs can deliver 4K/UHD video up to 40m and Full HD video up to 70m as well as PoC power supply to HDBaseT compliant receivers. It includes a video downscaler and an independent audio matrix. The HDMI® sources can be routed using the front panel's selection buttons, through the internal WEB GUI, serial commands, TCP/IP commands and IR signals. It is also HDCP 2.2 and 1.4 compliant and allows for bidirectional IR and RS-232 command controls. VEO-MXH48T can load and launch up to 8 presets which makes it a very suitable solution for professional applications that require video and audio HDMI® signals routing between 4K/UHD sources and displays with smart control management.

KEY FEATURES

- 8 x HDMI® inputs which can be independently routed to 8 x HDBaseT Outputs and 8 x HDMI® outputs.
- Supports HDMI® up to 4K@60Hz, 4:4:4, 8 Bit. Also HDR (at 4K@60Hz 4:2:0 10 Bit).
- Supports audio formats including Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X.
- Analogue audio insertion and extraction on stereo unbalanced Euroblock connectors as well as stereo and surround digital audio extraction on SPDIF coaxial connector.
- Control via front panel and display, IR remote, RS-232 control, TCP/IP control and WebGUI.
- Advanced EDID management.
- 8 preset storage.
- HDCP1.4 and 2.2 compliant.
- 1 x 100-240 V AC @ 50-60Hz Power Supply with 4 plugs (EU, USA, UK, AUS).

APPLICATIONS

- Retail
- Hospitality
- Sport & Wellness
- Education
- Corporate

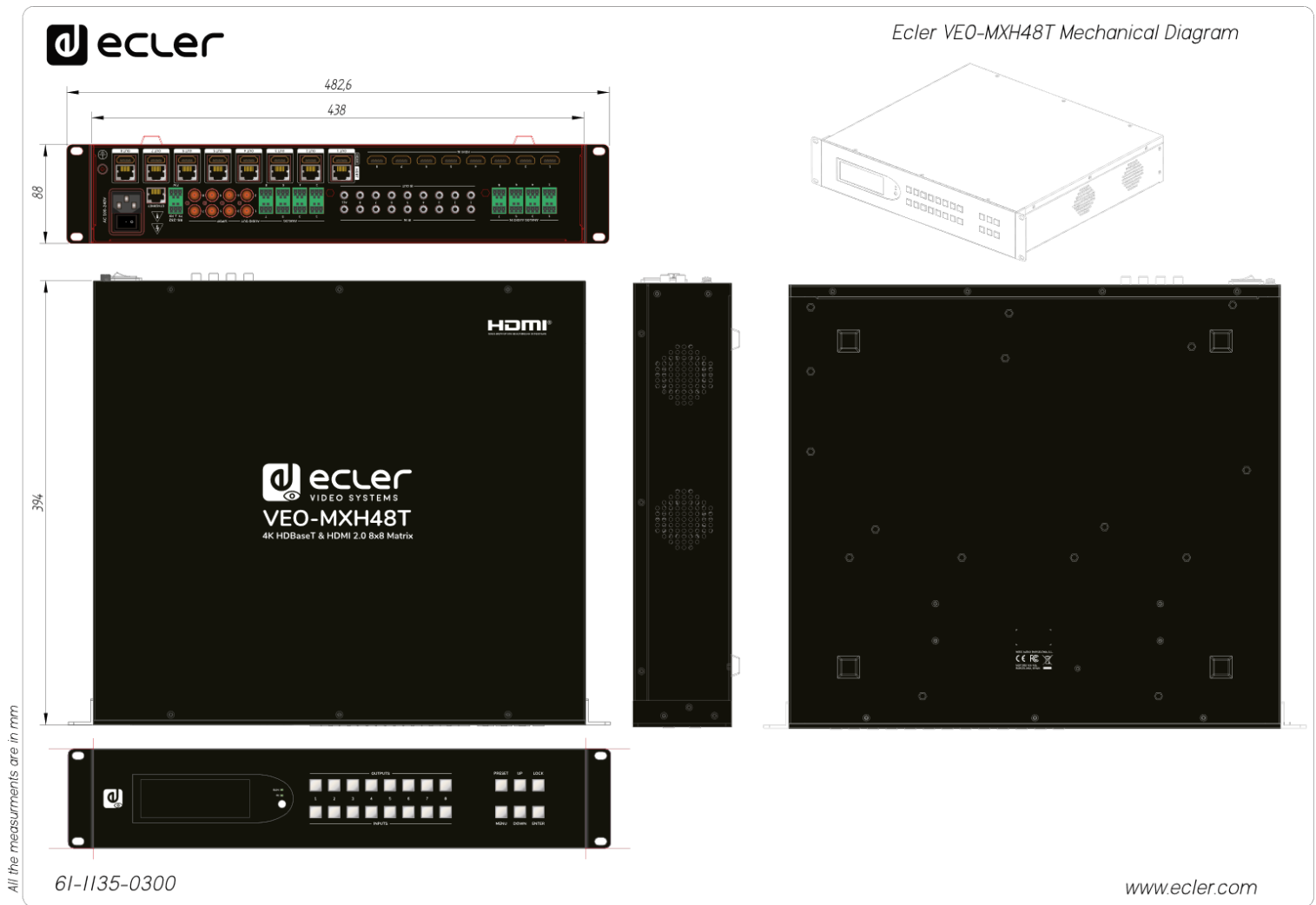
TECHNICAL SPECIFICATIONS

VEO-MXH48T

Video Performances	
Video Input Connectors	HDMI [®] Type A Female, 18 Gbps
Video Output connectors	HDMI [®] Type A Female, 18 Gbps
Video Input Resolution	Input support 3840x2160/60 YUV444 HDMI [®]
Video Output Resolution	Output support 3840x2160/60 YUV444 HDMI [®]
Chroma Subsampling	4:4:4,4:2:2
Colour Depth	8~12bit
Colour Space	RGB, YUV
HDCP	Support HDCP1.4/2.2
HDR	Supports HDR10
Video Composing Capabilities	8 HDMI [®] inputs, 8 HDBaseT outputs, 8 HDMI [®] mirror outputs
HDMI Distance	1080P60Hz (YUV444) Input 10 meters/output 15 meters 4K2K30Hz (YUV444) Input 5 meters/output 10 meters 4K2K60Hz (YUV444) Input 5 meters/output 3 meters
Audio Performances	
Audio Formats	PCM2.0, Dolby autos, DTS-X
Sample Rate	192 KHz
Bit Depth	16 Bit
Frequency Response	20Hz-20KHz (±3dB)
Audio De-Embedding	Yes
Audio Embedding	Yes
Device Control	
Control Connectors	RJ-45, Euroblock
Control Protocols	Web, Telnet, RS-232, IR
Control Buttons	1xPower ON ,8xinput selection, 8xoutput selection, 1xpreset, 1xright, 1xleft, 1xup, 1xdown, 1xlock
EDID Management	Software, Pass-through, Auto
Status Indicators	1xpower LED red, 1x IR LED yellow,22xbutton LED blue
Pass-through Control	
Pass-through Connectors	Euroblock, Jack 3,5mm
Pass-through Protocols	RS-232, IR
Electrical	
Power Supply	PoC; Input 90-264 VAC @ 47-63Hz, Output 1 x 100-240 V AC @ 50-60Hz
AC Mains Connector	UK, US, AU , EU power cable plug
DC Mains Connector	Built-in AC to DC power module
Power Consumption	Built-in 2 AC to DC power module 24Vx2.4A, the maximum output power of 216W
Physical	
Operating Temperature	Min. -5°C; 23°F Max. 40°C; 104°F
Operating Humidity	<85% HR
Installation Options	2U chassis hanging ear or desktop display

Included Accessories	UK, US, AU , EU cable
Dimensions (WxHxD)	482.6x88x394 mm / 19x3.46x15.51 in
Shipping Dimensions (WxHxD)	530x190x570 mm / 20.87x7.48x22.44in.
Weight	8.3 Kg / 18.30 lb
Shipping Weight	10.9 Kg / 24.03 lb
Chassis Material	Metal
Finished Colour	Black

MECHANICAL DIAGRAM



All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).