VEO-MXH88D

SWITCHERS & MATRIXES

HDMI 2.0 8X8 18Gbps Matrix with Audio De-Embedders and Display

PRODUCT OVERVIEW

VEO-MXH88D is an 8x8 HDMI 2.0 matrix designed to handle high-quality video and audio signals. It supports up to 4K/UHD video resolution at 60 Hz with 4:4:4 chroma sampling. VEO-MXH88D offers 8 analogue audio inputs and 16 analogue and digital audio de-embedding outputs, allowing for flexible audio management. The device features EDID management, which ensures optimal compatibility between connected devices, an LCD display and an integrated WebGUI, providing a user-friendly interface for configuration and control of the unit as well as, multiple other options for addressing HDMI sources, including the frontal panel's selection buttons, serial commands, TCP/IP, and IR (infrared) control. The VEO-MXH88D is compliant with HDCP 2.2 and 1.4. This makes it suitable for professional applications that require secure handling of video and audio signals. Furthermore, supports for up to 8 presets allows for quick and convenient recall of specific configurations.

KEY FEATURES

- 8 HDMI 2.0 inputs and 8 HDMI 2.0 outputs for flexible signal routing.
- Supports 4K @60Hz, 4:4:4 chroma sampling, and HDR (4K @60Hz, 4:2:0 10-bit).
- Stores up to 8 presets for easy configuration recall.
- Supports audio formats like Dolby TrueHD, Atmos, DTS-HD Master Audio, and DTS:X.
- Allows analog audio insertion/extraction and digital audio extraction.
- Control options include front panel buttons, IR remote, RS-232, IP control, and WebGUI.
- Advanced EDID management, CEC, and ARC capabilities.
- HDCP 2.2 compliant for secure content transmission.
- Comes with a 12V DC power supply.

APPLICATIONS

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

TECHNICAL SPECIFICATIONS

VEO-MXH88D

Video Performances	
Video Input Connectors	8 x HDMI Type A Female, 2.0, 18 Gbps
Video Output connectors	8 x HDMI Type A Female, 2.0, 18 Gbps
Video Input Resolution	480p@60hz, 576p@50hz, 720p@60hz, 1080p@24hz, 1080p@50hz, 1080p@60hz, 4K@24hz, 4K@30hz, 4K@60hz YUV4:2:0, 4K@ 60hz YUV4:4:4
Video Output Resolution	480p@60hz, 576p@50hz, 720p@60hz, 1080p@24hz, 1080p@50hz, 1080p@60hz, 4K@24hz, 4K@30hz, 4K@60hz YUV4:2:0, 4K@ 60hz YUV4:4:4
Chroma Subsampling	YUV 4:4:4, YUV 4:2:0 (4K @ 60Hz)
Colour Depth	8-bit, 10-bit, 12-bit
Colour Space	RGB, YUV
HDCP	2.2
HDR	HDR10, Dolby Vision, HLG
HDMI Distance	10m with Ecler VEO Cables (up to 1080p)
	5m with Ecler VEO Cables (up to 4K)

Audio Performances	
Audio Input Connectors	8 x 3 pin Euroblock connector
Audio Output Connectors	8 x 3 pin Euroblock connector, 8 x Coaxial Digital Out connector
Audio Formats	PCM2.0, PCM5.1, PCM7.1, Dolby Digital, DTS 5.1, Dolby Digital+ Dolby True HD, DTS-HD master audio, Dolby Atmos, DTS-X
Sample Rate	Up to 192KHz
ARC/eARC	ARC
Audio De-Embedding	Yes
Audio Embedding	Yes

Device Control	
Control Connectors	Euroblock, RJ-45, IR 3,5mm stereo jack
Control Protocols	Web, Telnet, RS-232, IR, Front panel Buttons and LCD Display
Control Buttons	1 x Enter, 1 x Lock, 1 x Up, 1 x Down, 1 x Preset Selection, 1 x Menu, 8 x Input Selection, 8 x Output Selection, Remote control
EDID Management	Software, Front Panel Buttons
Status Indicators	Input LED, LCD Display

Network	
Network Connectors	1 x RJ-45

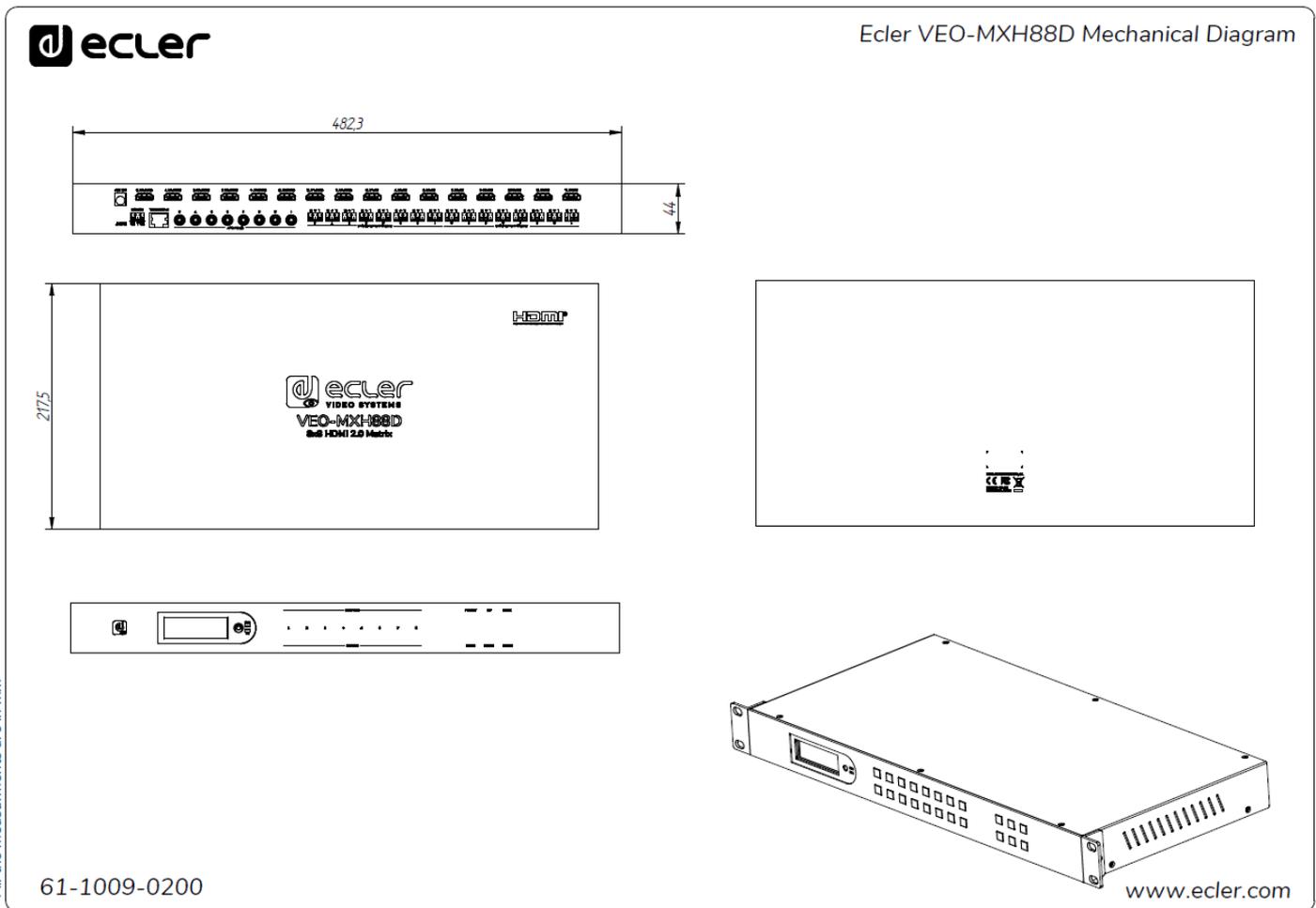| Electrical	
Power Supply	External Power supply
AC Mains Connector	100-240VAC 50-60Hz with EU, UK, US, AU blades
DC Mains Connector	12VDC-3A with coaxial DC connector
Power Consumption	28W

Physical	
Operating Temperature	Min: 0°C; 32°F
	Max: 40°C; 104°F
Operating Humidity	<90% HR
Installation Options	Desktop

Included Accessories	17 x 3 pin Euroblock connector, 1 x Remote Control, 1 x IR receiver, 1x 12V PSU
Dimensions (WxHxD)	482.3 x 44 x 217.5 mm. / 18.99 x 1.73 x 8.56 in.
Shipping Dimensions (WxHxD)	500 x 85 x 264 mm. / 19.69 x 3.35 x 10.39 in.
Weight	2.8 Kg / 6.17 lb
Shipping Weight	3.7 Kg / 8.16 lb
Chassis Material	Metal
Finished Colour	Black

MECHANICAL DIAGRAM

Ecler VEO-MXH88D Mechanical Diagram

All the measurments are in mm

61-1009-0200

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