

VEO-MXH44D

SWITCHERS & MATRIXES

HDMI® 4x4 18Gbps Matrix with Audio De-Embedders and Display



PRODUCT OVERVIEW

VEO-MXH44D is a 4x4 HDMI® matrix that supports up to 4K/UHD video resolution at 60 Hz with 4:4:4 chroma sampling. It features 8 analogue and digital audio de-embedding outputs, along with EDID management, an LCD display, and an integrated web GUI, providing a user-friendly configuration and control interface.

HDMI® sources can be addressed using the selection buttons on the front panel or through serial commands, TCP/IP, and IR. The VEO-MXH44D is compliant with HDCP 2.2 and 1.4 standards. Additionally, the VEO-MXH44D can load and launch up to 8 presets, making it a professional solution for applications that require routing of video and audio HDMI® signals between 4K/UHD sources and displays, with smart control management.

KEY FEATURES

- It has 4 HDMI® inputs that can be independently routed to 4 HDMI® outputs.
- Supports HDMI® up to 4K @ 60Hz, YUV 4:4:4 8-bit, HDR (at 4K @ 60Hz YUV 4:2:0 10-bit).
- Supports Full HD video downscaling.
- Provides storage for 8 presets.
- Supports audio formats, including Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS:X transmissions.
- Allows analogue audio extraction via a stereo unbalanced Euroblock connector, as well as stereo and surround digital audio extraction via an S/PDIF coaxial connector.
- Control options including front panel and display, IR remote, RS-232 control, IP control, and WebGUI.
- Features advanced EDID management.
- Compliant with HDCP 2.2.
- Powered by a local 12V DC power supply.

APPLICATIONS

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

TECHNICAL SPECIFICATIONS

VEO-MXH44D

Video Performances	
Video Input Connectors	4 x HDMI® Type A Female, 18 Gbps
Video Output connectors	4 x HDMI® Type A Female, 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 Output Connectors	4 x 3 pin Euroblock connector, 4 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
Audio De-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, 4 x Input Selection, 4 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-2A with coaxial DC connector
Power Consumption	14W
Physical	
Operating Temperature	Min: 0°C; 32°F Max: 40°C; 104°F
Operating Humidity	<90% HR
Installation Options	Desktop

Included Accessories	5 x 3 pin Euroblock connector, 1 x Remote Control, 1 x IR receiver, 1x 12V PSU
Dimensions (WxHxD)	217.4 x 35 x 128.7 mm. / 8.56 x 1.38 x 5.07 in.
Shipping Dimensions (WxHxD)	310 x 85 x 264 mm / 12.20 x 3.35 x 10.39 in.
Weight	0,47 Kg / 1,04 lb
Shipping Weight	1.4 kg. / 3.09 lb
Chassis Material	Metal
Finished Colour	Black

MECHANICAL DIAGRAM

