

VEO-MXH44

HDMI 2.0 4x4 18GBPS MATRIX WITH AUDIO DE-EMBEDDERS



PRODUCT OVERVIEW

Ecler VEO-MXH44 is a 4x4 HDMI Matrix for high dynamic range (HDR) formats. It is HDCP 2.2 and 1.4 compliant and supports 4K/UHD video @ 60 Hz with 4:4:4 chroma sampling, as well as HDMI signals with bandwidth up to 18 Gbps. It is the ideal solution for applications requiring 4K/UHD and HDR sources and displays. VEO-MXH44 includes analogue audio de-embedding feature and EDID management. The HDMI selection can be manual via frontal panel, or remote via serial commands, TCP/IP, and IR. The integrated web GUI allows to configure and control the unit in a very user friendly way.

KEY FEATURES

- 4x4 Ultra High Definition sources selector compliant with HDMI 2.0 standards
- Video formats up to 4096x2160@60Hz YUV 4:4:4 and 3D video formats.
- Supports HDR and 3D contents
- HDCP2.2/1.4 Compliant
- Supports 48 bit Deep Color
- Support EDID audio management (2CH/5.1CH/7.1CH selectable)
- Support PCM, Dolby TrueHD, DTS-HD Master Audio up to 7.1CH
- 4 stereo analog audio output for audio de-embedding
- TCP/IP, RS232 Control, IR control
- Supports up to 18Gbps video data rate

APPLICATIONS

- Retail shops
- Fitness Center
- Sports Bar
- Restaurants
- Hotels
- Residential applications

TECHNICAL DATA

Audio and Video performances

Supported Resolutions 480p@60hz, 576P@50hz, 720P@60hz, 1080P@24hz, 1080P@50hz, 1080P@60hz, 4K@24hz, 4K@30hz, 4K@60hzYUV4:2:0, 4K@ 60hzYUV4:4:4

Colorspace RGB, YCbCr

Chroma Subsampling 4:4:4, 4:2:0

Color depth 8-bit, 10-bit, 12-bit,16-bit

HDR HDR10

Signal Bandwidth 18 Gbps

HDCP 2.2/1.4 Compliant

Audio Formats PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby TrueHD, DTS-HD Master Audio

Sample Rate 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz

Bit rate up to 24-bit

HDMI Distance up to 10 meters (33 feet) with Ecler VEO cables

Connectors	Video Input	4 x Type A Female HDMI
	Video Output	4 x Type A Female HDMI
	Analog Audio	4 x 3-pin Euroblock (Stereo Unbalanced)
	IR	1 x Minijack 3.5 mm
	RS-232	1 x 3-pin Euroblock
	Network	1 x RJ45

Operation Temperature -5°C - 45°C / 23°F - 113°F

Humidity 20 - 90% RH (no condensation)

Power Consumption 13 W Maximum

Power Supply AC 100V ~ 240V 50/60Hz Output: DC 5V---3A

MISCELLANEOUS

Dimensions H x W x D 216 x 105 x 34 mm / 8.5" x 4.13" x 1.34"

Weight 720g / 1.59 lbs

MECHANICAL DIAGRAMS

