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

<table>
<thead>
<tr>
<th>Supported Resolutions</th>
<th>480p@60hz, 576p@50hz, 720p@60hz, 1080p@24hz, 1080p@50hz, 1080p@60hz, 4K@24hz, 4K@30hz, 4K@60hz, 4K@60hz/4:2:0, 4K@60hz/4:4:4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorspace</td>
<td>RGB, YCbCr</td>
</tr>
<tr>
<td>Chroma Subsampling</td>
<td>4:4:4, 4:2:0</td>
</tr>
<tr>
<td>Color depth</td>
<td>8-bit, 10-bit, 12-bit, 16-bit</td>
</tr>
<tr>
<td>HDR</td>
<td>HDR10</td>
</tr>
<tr>
<td>Signal Bandwidth</td>
<td>18 Gbps</td>
</tr>
<tr>
<td>HDCP</td>
<td>2.2/1.4 Compliant</td>
</tr>
<tr>
<td>Audio Formats</td>
<td>PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby TrueHD, DTS-HD Master Audio</td>
</tr>
<tr>
<td>Sample Rate</td>
<td>32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz</td>
</tr>
<tr>
<td>Bit rate</td>
<td>up to 24-bit</td>
</tr>
<tr>
<td>HDMI Distance</td>
<td>up to 10 meters (33 feet) with Ecler VEO cables</td>
</tr>
</tbody>
</table>

### 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

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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.

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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