ECLER TECHNICAL DATA SHEET

VEO-SPH44

DISTRIBUTION AMPLIFIER / SPLITTER
1x4 HDMI 2.0 DISTRIBUTION AMPLIFIER / SPLITTER

PRODUCT OVERVIEW

Ecler VEO-SPH44 is a professional 1x4 HDMI 2.0 distribution amplifier/splitter. It supports HDR formats and HDMI data rate up to 18Gbps at 4K/UHD@60Hz video resolution with 4:4:4 chroma sampling. It includes EDID management in three different modes and it is HDCP 2.2 compliant. VEO-SPH44 guarantees seamless integration for all applications that require latest 4K/UHD and HDR sources and displays.

KEY FEATURES

- Simultaneously displays Ultra Hi-Definition source on up to four Ultra HD displays
- Supports resolution up to Ultra HD 4Kx2K (4096x2160@60Hz YUV 4:4:4)
- Three EDID setting modes
- HDCP 2.2/1.4 Compliant
- Supports 36 bit Deep Color
- Supports LPCM 7.1, Dolby TrueHD, Dolby digital Plus, and DTS-HD Master Audio
- Supports HDR and 3D contents
- 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 | Up to 4096x2160@60Hz
|                       | 4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz, 2048x1080p
|                       | 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i
| Colorspace           | RGB, YCbCr
| Chroma Subsampling   | 4:4:4, 4:2:2, 4:2:0 |
**Color depth**  8-bit, 10-bit, 12-bit

**HDR**  HDR 10

**Signal Bandwidth**  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

**Operation Temperature**  -5 to +40°C (+41 to +104°F)

**Humidity**  5 - 90% RH (no condensation)

**Power Consumption**  2 W Maximum

**Power Supply**  AC100~240V 50/60Hz Output: DC 5V/1A

**Dimensions W x H x D**  150mm x 17mm x 65mm / 5.9” x 0.67” x 2.56”

**Weight**  245g / 0.54 lb
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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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