

VEO-XPT44

4K HDBASET EXTENDER

HDMI 2.0 HDBaseT Extender Kit 18Gbps



PRODUCT OVERVIEW

Ecler VEO-XPT44 is a professional HDBaseT transmitter/receiver kit for HDMI 2.0a extension of High Dynamic Range (HDR) formats. It supports video signal at resolution up to 4K/UHD at 60Hz with 4:4:4 chroma sampling and any other HDMI data rate up to 18Gbps. The VEO-XPT44 supports bidirectional PoH (Power Over HDBaseT) that allows to use only one power supply connected to the Transmitter or the Receiver, according to the installation needs. The extender kit includes bi-directional IR and RS-232 pass-through. It represents the ideal solution for residential and commercial applications that include the latest 4K/UHD and HDR sources and displays.

KEY FEATURES

- Complete extender kit, no configuration needed
- Bandwidth up to 18Gbps, resolution up to 4K@60Hz YUV 4:4:4
- Supports HDR10 and 3D
- Transmission distance up to 70 meters with 1080p and 40 meters with 4K
- Bi-directional IR and RS-232 pass-through
- Bi-directional POH (RX powered by TX or TX powered by RX)
- 1x looping HDMI out on Transmitter and 2x HDMI out on Receiver for daisy-chaining or local monitoring purposes
- Single UTP/STP category cable (CAT-5E/6/7) to substitute HDMI cable to achieve long distance transmission
- HDCP 2.2/1.4 compliant
- ESD protection

APPLICATIONS

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

TECHNICAL DATA

Audio and Video performances

Supported Resolutions

4096x2160@24/25/30/50/60Hz,
 3840x2160@24/25/30/50/60Hz(UHD), 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

Vesa

2560x2048, 2560x1600, 2048x1536,
1920x1200, 1680x1050, 1600x1200,
1600x900, 1440x900, 1400x1050, 1366x768,
1360x768, 1280x1024, 1280x800, 1280x768,
1152x864, 1024x768, 800x600, 640x480

Colorspace RGB, YCbCr

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

Color depth 8-bit, 10-bit, 12-bit, 16-bit only @4K30

Signal Bandwidth 18 Gbps

HDCP 2.2 Compliant

Audio Formats PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus, 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 ft with Ecler VEO cables

Cat.5e/6 Distance	CAT5e/6 @ 4K	up to 35 meters / up to 115 feet
	CAT6a/7 @ 4K	up to 40 meters / up to 130 feet
	CAT5e/6 @ 1080p	up to 60 meters / up to 197 feet
	CAT6a/7 @ 1080p	up to 70 meters / up to 230 feet

Operating Temperature -10 to +50°C (14 to +122 °F)

Humidity 5 to 90 % RH (no condensation)

Power Consumption 12W (Maximum, TX+RX)

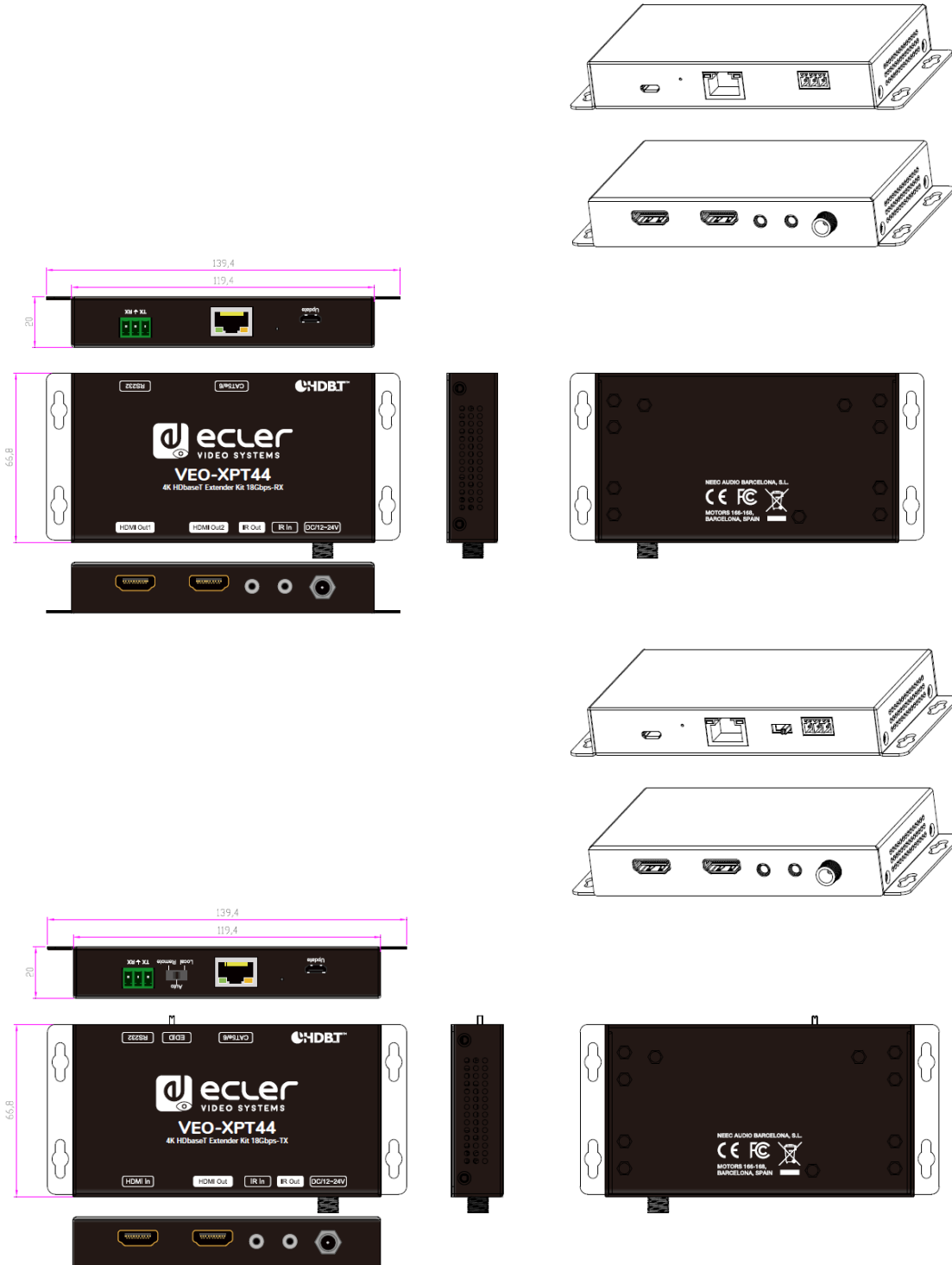
Supply Input AC 100V ~ 240V 50/60Hz Output: DC 24V---1A

MISCELLANEOUS

Dimensions W x H x D 140mm x 20mm x 67mm (5.51" x 0.79" x 2.64")

Weight 700g / 1.54 lb (Pair)

MECHANICAL DIAGRAMS



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.
 Motors, 166-168 08038 Barcelona - Spain - (+34) 932238403 information@ecler.es www.ecler.com