

## VEO-XTT44 and VEO-XRT44

### 4K HDBASET® EXTENDER / SCALER



#### PRODUCT OVERVIEW

Ecler VEO-XTT44 and VEO-XRT44 are professional HDBaseT® Transmitter and Receiver of High Dynamic Range (HDR) formats for HDMI® extension. The extenders support video signal resolution up to 4K/UHD at 60Hz with 4:4:4 chroma sampling and HDMI® data rate up to 18Gbps. The scaler implemented in the TX allows to upscale fullHD input to 4K. Bidirectional PoH (Power Over HDBaseT®) allows using a single power supply connected to the Transmitter or the Receiver, in consonance with the installation needs. A 4-pin DIP switch allows managing EDID with multiple and customizable options. The extenders include audio de-embedding and ARC support, bi-directional IR and RS-232 pass-through. A video pattern generator is included in the transmitter for testing purposes during the installation. This product represents the ideal solution for residential and commercial applications that include the latest 4K/UHD and HDR sources and displays.

#### KEY FEATURES

- Supports HDMI® and the HDMI® video resolution up to 4K@60Hz 4:4:4 HDR.
- HDCP 2.2 and 1.4 supported.
- Extends 4K signals to distances up to 40 meters (131 feet) and 1080P signals to distances up to 70 meters (230 feet) over a single CATx cable.
- Supports video resolution up-scaling, the 1080P input can be automatically upgraded to 4K output.
- SPDIF out on receiver for source audio de-embedding.
- 18Gbps high bandwidth.
- Advanced EDID management: multiple built-in EDID settings or customized EDID can be selected.
- Test pattern provides a built-in 4K/1080P image for troubleshooting.
- Bidirectional IR, RS232 and 24V PoH.
- Supports ARC.
- Supports CEC pass-through.
- LEDs to indicate the current operating status.
- Firmware upgrade by Micro-USB port.
- ESD protection

#### APPLICATIONS

- Retail Shops
- Fitness Centers
- Sports Bar
- Restaurants
- Hotels
- Residential applications

## TECHNICAL DATA

## Video performances

**Supported Resolutions** 480i, 480p, 720i, 720p, 1080i, 1080p up to 60Hz, 1200p up to 25/30Hz, 4K up to 60Hz

**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** 2.2/1.4 Compliant

**Video Connectors** Transmitter: Type-A Female HDMI® Receiver: Type-A Female HDMI®

## Audio performances

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

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

**Bit rate** up to 24-bit

**Frequency Response** 20Hz – 20KHz, ±3dB

**Max Output Level** 2.0Vrms ± 0.5dB

**SNR** > 85dB, 20Hz-20 kHz bandwidth

**Audio Connectors** Transmitter: Toslink (ARC output) Receiver: Toslink (Audio breakout)  
Toslink (ARC input)

## Control

<b>Transmitter Control ports</b>	Test Pattern 1080P → 4K EDID IR In, IR Out, RS232 FW	Button, Button, 4-pin DIP switch, minijack 3.5mm 3-pin Euroblock Micro USB
----------------------------------	---	---

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](mailto:information@ecler.es) [www.ecler.com](http://www.ecler.com)

Receiver Control ports	ARC On/Off	Button
	IR In, IR Out, RS232 FW	Minijack 3.5mm 3-pin Euroblock Micro USB

CEC Pass-through

## General

**HDMI® Distance** up to 10 meters / 33 ft with Ecler VEO cables

**Transmission Standard** HDbaseT®

<b>Cat.5e/6 Distance</b>	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** -5 to +55°C (23 to +131 °F)

**Humidity** 10 to 90 % RH (no condensation)

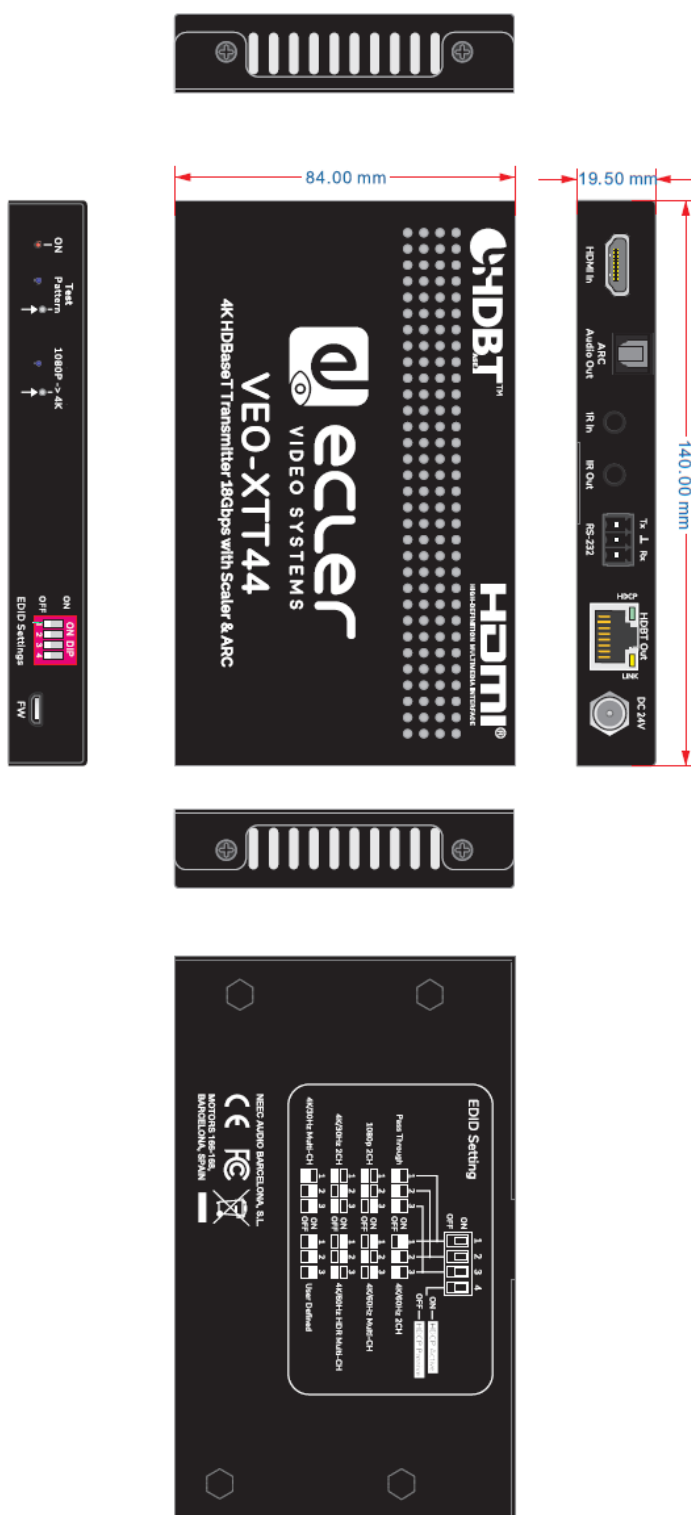
**Power Consumption** 12W (Maximum, TX+RX)

**Supply Input** AC 100V ~ 240V 50/60Hz Output: DC 24V---1.25A

**Dimensions** TX and RX: 140mm × 84mm × 20mm (5.51" x 3.31" x 0.79")

**Weight** TX:275g (0.606 lbs) RX:290g (0.640 lbs)

## 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](mailto:information@ecler.es) [www.ecler.com](http://www.ecler.com)

