

VEO-XPT412

4K HDBASET EXTENDERS

4K 18Gbps HDBaseT 150m Extender Kit



PRODUCT OVERVIEW

VEO-XPT412 is a professional HDBaseT extension kit that includes both a transmitter and a receiver. Its 18 Gbps HDMI® connectors allow for the extension of 4K video signals at 60Hz 4:4:4 up to 120 meters, or 1080p signals up to 150 meters, over a single Cat 5e or higher cable. Both the transmitter and receiver feature a stereo unbalanced output on an Euroblock connector for easy integration. Additionally, the VEO-XPT412 includes a bidirectional PoH feature, enabling the transmitter to be powered by the receiver and vice versa. It also supports RS-232 and bidirectional IR extension, making it a compact, flexible, and easy-to-use solution for applications requiring AV and control signal extensions.

KEY FEATURES

- Transmitter and receiver set for HDBaseT signal extension over a single Cat 5e or higher cable.
- Support for HDMI® 18Gbps 4K 60Hz 4:4:4 (with Colour Space Conversion technology) as specified in HDMI® 2.0b.
- Transmission distance for 4K/60Hz up to 120 meters and 1080p/60Hz up to 150 meters.
- Stereo unbalanced audio extraction via Euroblock connectors on both the transmitter and receiver.
- Support for HDR10, HDR10+, Dolby Vision, and HLG video signals.
- Support for audio formats LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X.
- HDCP 2.2 compliant.
- Bidirectional IR control extension.
- Bidirectional PoH function.

APPLICATIONS

- Education
- Corporate
- Hospitality

TECHNICAL SPECIFICATIONS

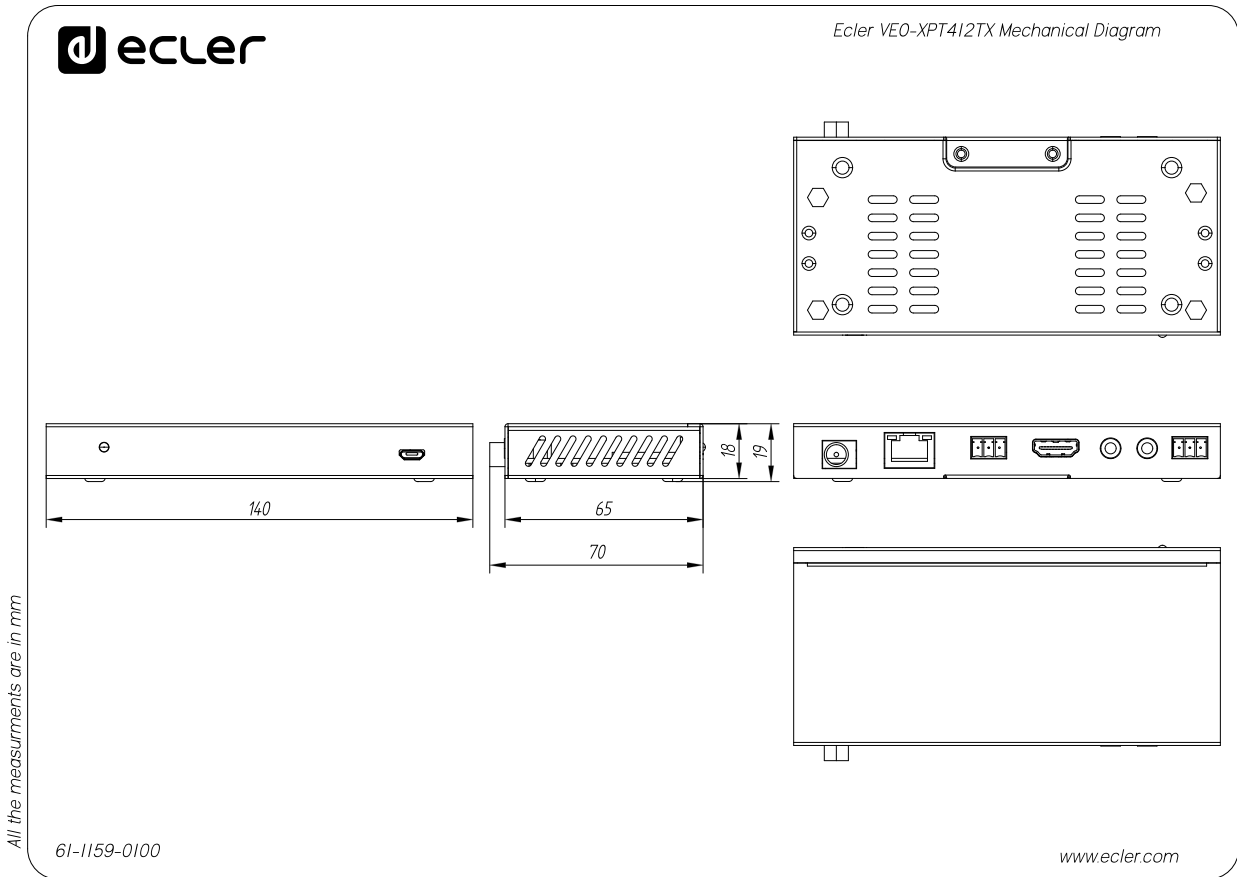
VEO-XPT412

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| Video Performances | |
| Video Input Connectors | Transmitter: 1 x HDMI® Type A Female, 2.0, 18Gbps; 1 x RJ-45 Female , HDBaseT 1.0 |
| Video Output connectors | Receiver: 1 x HDMI® Type A Female, 2.0, 18Gbps; 1 x RJ-45 Female , HDBaseT 1.0 |
| Video Input Resolutions | 480i, 480p, 720i, 720p, 1080i, 1080p up to 60Hz, 1920 x 1200/60Hz, 4K up to 60Hz |
| Video Output Resolutions | 480i, 480p, 720i, 720p, 1080i, 1080p up to 60Hz, 1920 x 1200/60Hz, 4K up to 60Hz (with Colour Space Conversion Technology) |
| Chroma Subsampling | 4:4:4, 4:2:2, 4:2:0 |
| Colour Depth | 8-bit (4K 60Hz 4:4:4) , 10-bit / 12-bit (4K 60Hz 4:2:2 – 4:2:0) |
| Colour Space | RGB, YCbCr, YUV |
| HDCP | 2.2, 1.4 |
| HDR | HDR10, HDR 10+, Dolby Vision, HLG |
| HDMI® Distance | Up to 4K/60Hz: 5m with IN/OUT HDMI® Cable Up to 1080p/60Hz: 10m with IN/OUT HDMI® Cable |
| Audio Performances | |
| Audio Output Connectors | 3-pin Euroblock |
| Audio Formats | LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X |
| Sample Rate | 48KHz, 96KHz, 192KHz |
| Bit Depth | Up to 24-bit |
| Frequency Response | 20Hz-20KHz (±3dB) |
| Device Control | |
| EDID Management | Pass-through |
| Status Indicators | Power LED, HDBaseT status LED's |
| Pass-Through Control | |
| Pass-through Connectors | 1 x 3-pin Euroblock, 1 x Jack 3,5mm, 1 x HDMI® |
| Pass-through Protocols | RS-232, IR, CEC |
| HDBaseT Specification | |
| HDBaseT Version | HDBaseT 1.0 |
| Transmission Distance | 4K/60Hz up to 120m with Cat 5e or higher 1080p/60Hz up to 150m with Cat 5e or higher |
| Electrical | |
| Power Supply | PoH; External: Input 100-240VAC @ 50/60Hz 0.6A, Output 24VDC-1A |
| AC Mains Connector | External PSU. Included 4 region power blades (UK,US,AU,EU) |
| DC Mains Connector | DC Locking |
| Power Consumption | 9.36W |
| Physical | |
| Operating Temperature | Min: 0°C; 32°F Max: 40°C; 104°F |
| Operating Humidity | 20% to 90% HR, non-condensing |
| Storage temperature | Min: -20°C ; -4°F Max: 60°C ; 140°F |

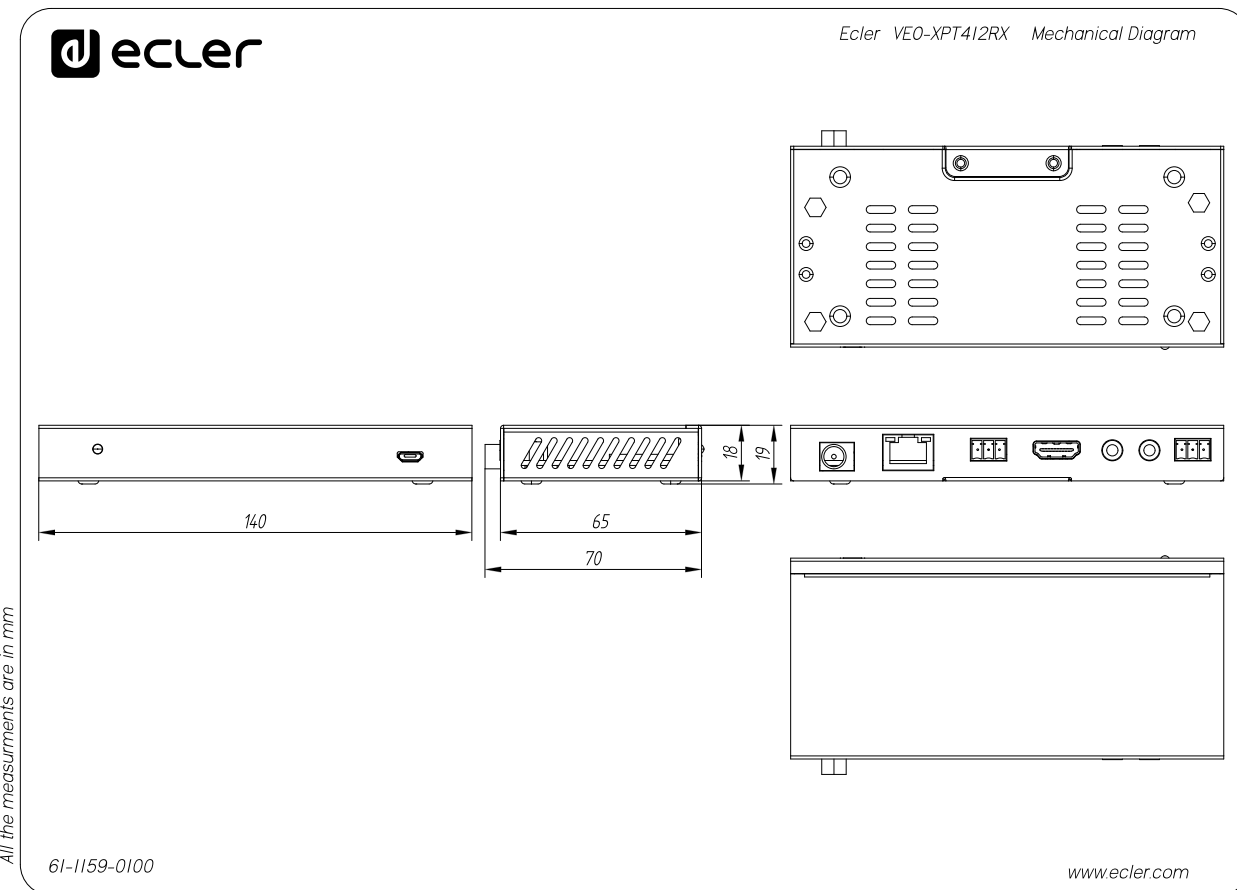
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|-----------------------------|---|
| Storage humidity | 40% to 60% HR, non-condensing |
| Installation options | Mounting ears for table, wall or screwed |
| Included Accessories | 1 x IR Receiver cable (1.5 meters), 1 x IR Blaster cable (1.5 meters), 4 x 3-pin 3.5mm Euroblock connector, 4 x Mounting ears, 8 x Mounting screw, 1 x PSU 24V/1A |
| Dimensions (WxHxD) | Transmitter / Receiver: 140 x 19 x 65 mm / 5.51 x 0.75 x 2.56 in. |
| Shipping Dimensions (WxHxD) | 245 x 75 x 185 mm / 9.65 x 2.95 x 7.28 in. |
| Weight | Transmitter: 0.160 Kg / 0.35 lb Receiver: 0.155 Kg / 0.34 lb |
| Shipping Weight | 1.08 kg / 2.38 lb |
| Chassis Material | Metal |
| Finished Colour | Black |

MECHANICAL DIAGRAM

Transmitter



Receiver





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.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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