

VEO-XPS47

HDMI® EXTENDERS

4K 18Gbps HDMI® Extender Kit with Audio Extraction



PRODUCT OVERVIEW

VEO-XPS47 is an HDMI® 18Gbps extender kit that enables 4K 50Hz 4:4:4 video signals to be extended up to 70 meters with zero latency over a single Cat 5e or higher cable. It features stereo unbalanced audio extraction via Euroblock connectors on both the transmitter and receiver, as well as EDID management, IR signal pass-through, and bidirectional PoC support, making it a simple and cost-effective solution for professional extension applications.

KEY FEATURES

- Transmitter and receiver set for signal extension over a single Cat 5e or higher cable.
- Support for HDMI® 18Gbps 4K 60Hz 4:4:4 as specified in HDMI® 2.0b.
- Transmission distance for 4K/50Hz up to 70 meters and 4K/60Hz up to 30 meters.
- Stereo unbalanced audio extraction via Euroblock connectors on both the transmitter and receiver.
- Support for HDR10, HDR10+, Dolby Vision, and HLG.
- Support for audio formats LPCM 7.1, Dolby True HD, DTS HD Master.
- Bidirectional IR control extension.
- EDID management.
- HDCP 2.2 compliant.
- Bidirectional PoC function.

APPLICATIONS

- Education
- Corporate
- Hospitality

TECHNICAL SPECIFICATIONS

VEO-XPS47

Video Performances	
Video Input Connectors	Transmitter: 1 x HDMI® Type A Female, 2.0, 18Gbps; 1 x RJ-45 Female
Video Output connectors	Receiver: 1 x HDMI® Type A Female, 2.0, 18Gbps; 1 x RJ-45 Female
Video Input Resolutions	480i, 480p, 720i, 720p, 1080i, 1080p up to 60Hz, 1200p up to 25/30Hz, 4K up to 60Hz
Video Output Resolutions	480i, 480p, 720i, 720p, 1080i, 1080p up to 60Hz, 1200p up to 25/30Hz, 4K up to 60Hz
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 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
HDCP	HDCP 2.2
HDR	HDR10, HDR10+, Dolby Vision, HLG
HDMI® Distance	Up to 4K/60Hz: 5m with IN/OUT HDMI® Cable
Audio Performances	
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	48 KHz, 96 KHz, 192 KHz
Bit Depth	Up to 24-bit
Frequency Response	20Hz-20KHz (±3dB)
Device Control	
Control Connectors	1 x DIP Switch
EDID Management	EDID Copy, EDID Setting
Status Indicators	Link Status LEDs
Pass-Through Control	
Pass-through Connectors	1 x Jack 3,5mm
Pass-through Protocols	IR
Connection Specification	
HDMI® extension	Point-to-Point extension with zero latency
Transmission Distance	4K/50Hz up to 70m with Cat 5e or higher 4K/30Hz up to 30m with Cat 5e or higher
Electrical	
Power Supply	PoC bidirectional; External: Input 100-240VAC 50/60Hz 0.3A, Output DC 12VDC-1A
AC Mains Connector	External PSU. Included 4 region power blades (UK,US,AU,EU)
DC Mains Connector	DC Locking
Power Consumption	3.36W
Physical	
Operating Temperature	Min: 0°C; 32°F Max: 40°C; 104°F
Operating Humidity	20 - 80% RH, non-condensing
Storage temperature	Min: -20°C ; -4°F Max: 60°C ; 140°F
Storage humidity	10% - 90% RH, non-condensing

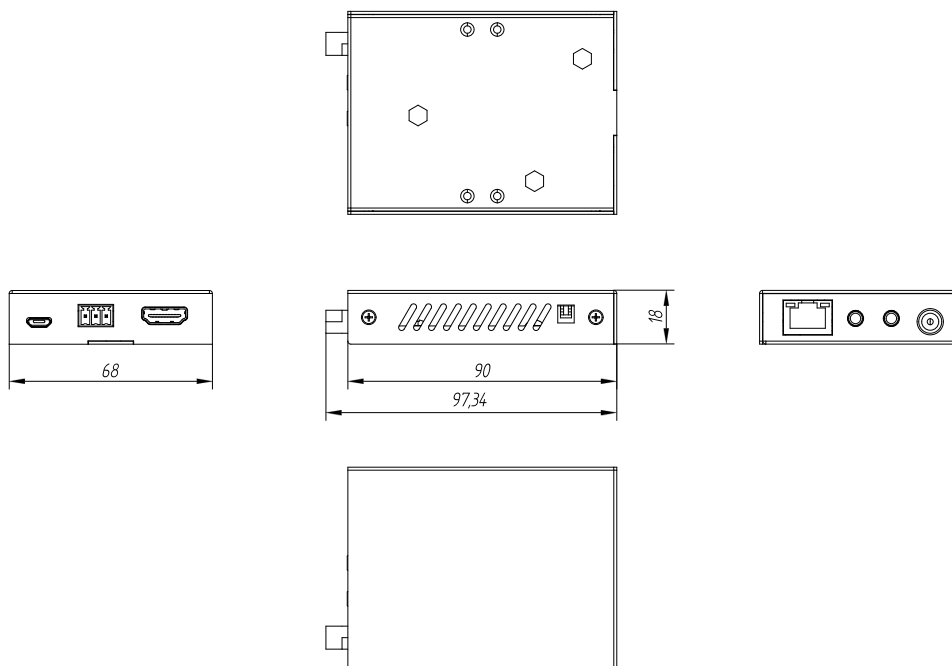
Installation options	Mounting ears for table, wall or screwed
Included Accessories	1 x IR Receiver cable (1.5 meters), 1 x IR Blaster cable (1.5 meters), 2 x 3-pin 3.5mm Euroblock connector, 4 x Mounting ears, 8 x Mounting screw, 1 x USB 2.0 Cable, 1 x Firmware Update USB Adapter, 1 x PSU 12V/1A
Dimensions (WxHxD)	Transmitter/ Receiver: 90 x 18 x 68mm / 3.54 x 0.71 x 2.68 in
Shipping Dimensions (WxHxD)	215 x 75 x 135mm / 8.47 x 2.95 x 5.31 in
Weight	Transmitter: 0.160 Kg / 0.35 lb Receiver: 0.155 Kg / 0.34 lb
Shipping Weight	0.7kg / 1.54 lb
Chassis Material	Metal
Finished Colour	Black

MECHANICAL DIAGRAM

Transmitter



Ecler VE0-XPS47TX Mechanical Diagram



All the measurements are in mm

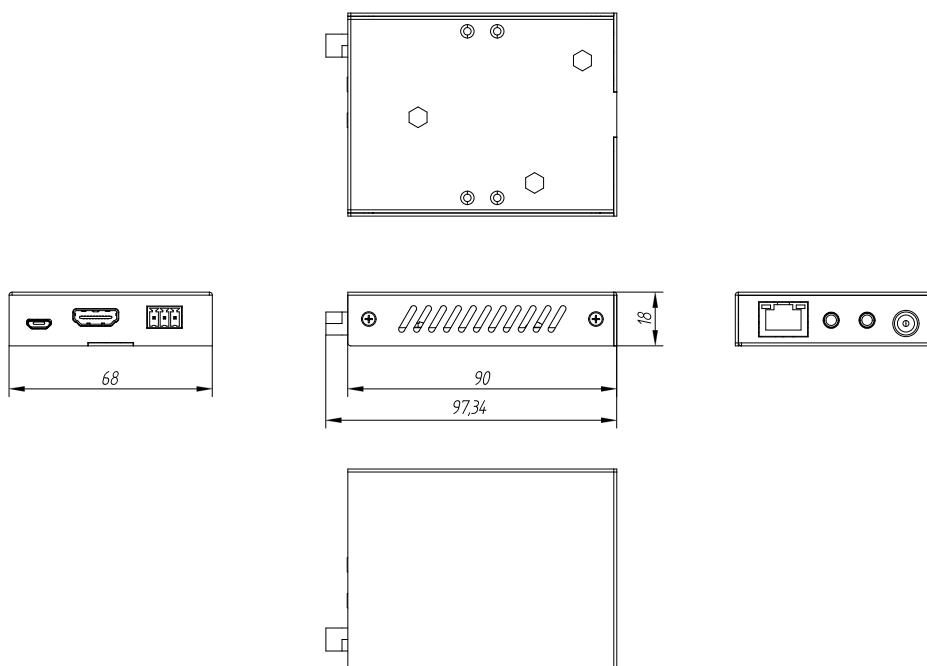
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Receiver



Ecler VE0-XPS47RX Mechanical Diagram



All the measurements are in mm

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