

VEO-XTI1CG2 / VEO-XRI1CG2

VIDEO DISTRIBUTION OVER IP

H.265 Full HD over IP Video Extenders



PRODUCT OVERVIEW

VEO-XTI1CG2 transmitter and VEO-XRI1CG2 receiver are a H.265 / H.264 over IP set of extenders that allow for HDMI distribution over 1Gb Ethernet networks with up to 1080p@60Hz video support. These devices represent a professional high-quality compression and low bandwidth solution aimed for point-to-point, as well as multipoint-to-multipoint scenarios over a single 100m Cat5e/6/7 cable. VEO-XTI1CG2 and VEO-XRI1CG2 are widely suitable for various applications which also require PoE, audio management, video wall compositing or remote control, such as educational, commercial, or corporate installations, where flexible and scalable AV systems are in need. Furthermore, this encoder and decoder can be paired with VEO-XCTRLG2 control module for an expanded management experience with in-built WEB configuration interface.

KEY FEATURES

- HDMI 1.4 with video resolution up to 1920x1200p@60Hz 4:4:4.
- Signal transmission distance up to 100m over Cat5e/6/7 cable.
- Support for unicast over 1Gb unmanaged networks and multicast signal extension over 1Gb managed networks.
- Support for video wall compositing up to 9 x 9 setups.
- Support for audio embedding and extraction.
- Support for mainstream and sub stream encoding modes.
- Support for pass through and RS-232, TCP/IP, Web GUI management using VEO-XCTRLG2 controller module.
- HDCP 1.4 compliant.
- Support for PoE function.
- Local 12V DC power supply.

APPLICATIONS

- Retail
- Hospitality
- Education
- Corporate
- Leisure
- Sport & Wellness

OPTIONAL ACCESSORIES

- VEO-RACK19



TECHNICAL SPECIFICATIONS

VEO-XTI1CG2 / VEO-XRI1CG2

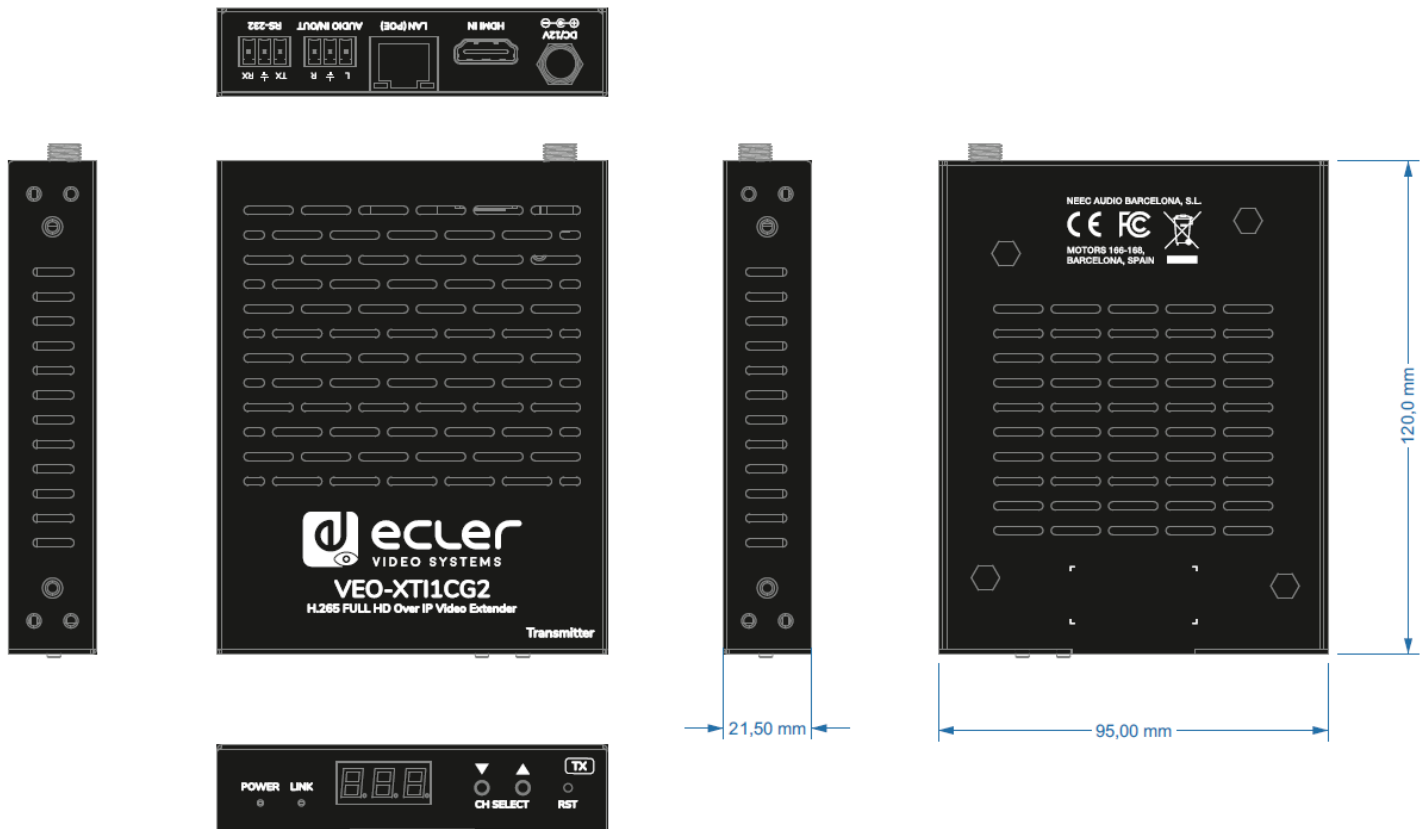
Video Performances	
Video Input Connector	Transmitter: HDMI Type A Female, 1.4, 10.2 Gbps
Video Output connector	Receiver: HDMI Type A Female, 1.4, 10.2 Gbps
Video Input Resolution	Up to 1920x1200 60Hz
Video Output Resolution	Up to 1920x1200 60Hz
Video Codec	H.265 and H.264
Transmission Latency	<100ms compression depending on video content and transmission / network configuration
Chroma Subsampling	RGB4:4:4, YCbCr 4:4:4, YCbCr 4:2:2
Colour Depth	8-bit, 10-bit, 12-bit, 16-bit (1080p@60Hz)
Colour Space	RGB, YCbCr
HDCP	1.4
HDR	Not supported
Video Composing Capabilities	Videowall up to 9x9
Scaling Feature	Supported
HDMI Distance	15m with Ecler VEO Cables
Audio Performances	
Audio Input Connectors	Transmitter: 3-pin Euroblock (Stereo Unbalanced)
Audio Output Connectors	Receiver and Transmitter: 3-pin Euroblock (Stereo Unbalanced)
Audio Formats	LPCM 2.0CH
Sample Rate	32/44.1/48KHz
Bit Depth	Up to 24-bit
Frequency Response	20Hz-20KHz
ARC/eARC	Not Supported
Control	
Control Connectors	RJ-45, Euroblock
Control Protocols	Web, TCP (only with VEO-XCTRLG2), RS-232
Control Buttons	1 x UP button 1 x DOWN button
EDID Management	Via front panel and Web settings
Status Indicators	POWER LED: Red; LINK LED: Green; LCD display
Pass-through Control	
Pass-through Connectors	Euroblock
Pass-through Protocols	RS-232
Network	
Network Connectors	RJ-45
Network Requirements	IGMP Snooping
Average Streaming Bitrate	Configurable via software 1- 20Mbps
Transmission Distance	100m (Ethernet Standard)
Electrical	
Power Supply	PoE (802.3af Class 3) or External Power supply
AC Mains Connector	100-240VAC 50-60Hz with EU, UK, US, AU blades
DC Mains Connector	12VDC-1A with coaxial DC connector
Power Consumption	Transmitter: 3W Receiver: 3W

Physical

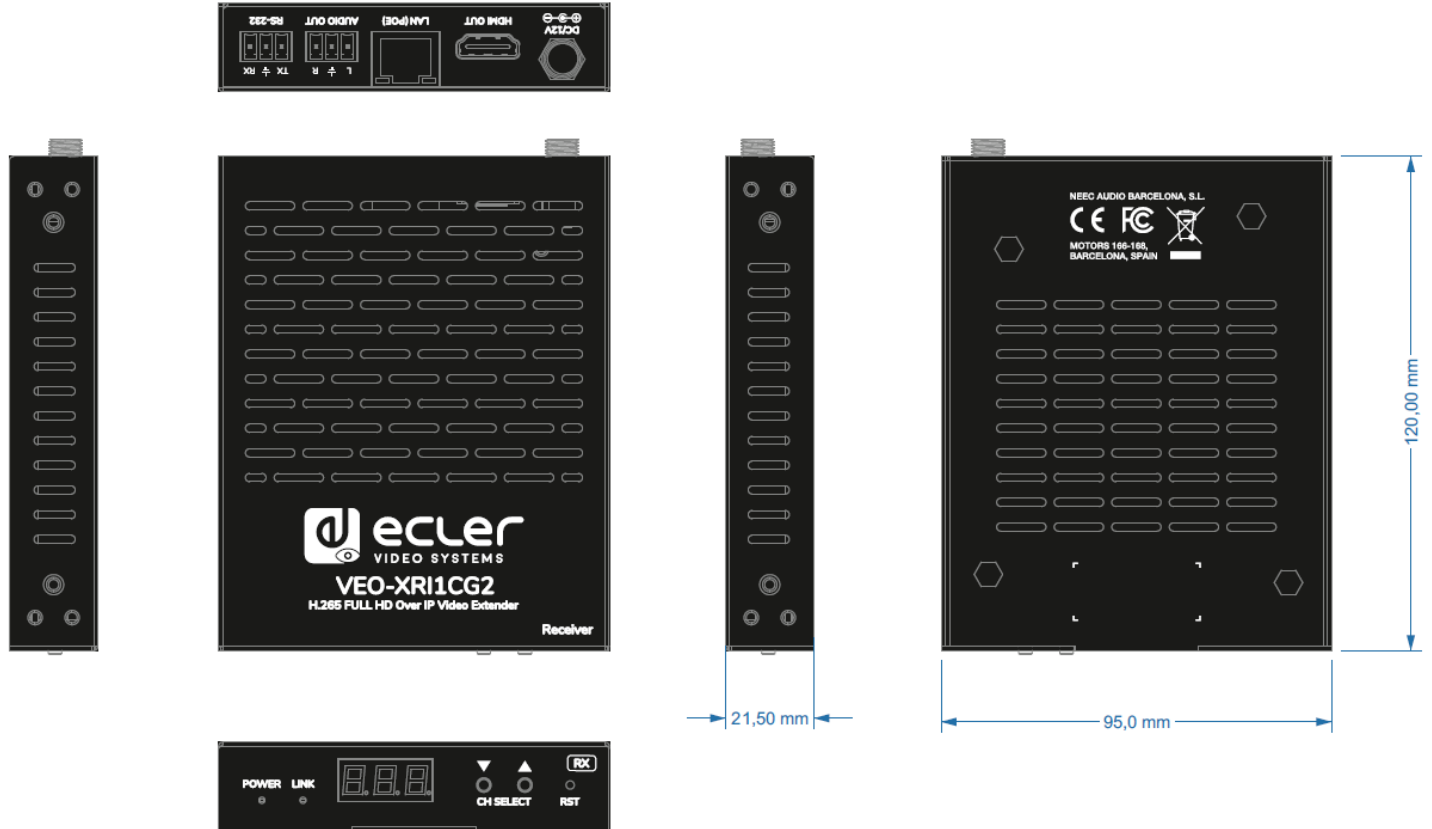
Operating Temperature	Min. -10°C - 14°F; Max. 45°C - 113°F
Operating Humidity	<90% HR
Installation Options	Desktop, 19" racks (1/2RU), VEO-RK1CG2
Included Accessories	<ul style="list-style-type: none"> ▪ 2x 3pins Euroblock connector ▪ 4x M3 screws 4mm ▪ 2x Mounting Ears ▪ 1x 12V PSU
Optional Accessories	VEO-XCTRLG2, VEO-RK1CG2
Dimensions (WxHxD)	95 x 21.5 x 120mm / 3.74 x 0.85 x 4.72in. (each one, TX and RX separately)
Shipping Dimensions (WxHxD)	188 x 75 x 137 mm / 7.40 x 2.95 x 5.39 in. (each one, TX and RX separately)
Weight	0.3 Kg / 0,66 lb (each one, TX and RX separately)
Shipping Weight	0.7 Kg (each one, TX and RX separately)
Chassis Material	Metal
Finished Colour	Black

MECHANICAL DIAGRAM

- VEO-XTI1CG2



- VEO-XR1CG2



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](#).

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