

VEO-XTI4D

VIDEO DISTRIBUTION OVER IP

JPEG2000 4K Over IP Video Transmitter with Dante



PRODUCT OVERVIEW

VEO-XTI4D transmitter is a professional JPEG2000 over IP extender that enable secure HDMI® distribution with 18Gbps bandwidth, supporting 4K 60Hz 4:4:4 video over 1Gb Ethernet networks, reaching distances up to 100 meters on a single Cat 6 or higher cable and a transmission latency of 1-2 frames. Equipped with dual RJ-45 ports, these units support independent or combined network configurations for Dante AV-A. Designed for versatility, it features stereo audio insertion and extraction, along with digital audio outputs supporting ARC/eARC and SPDIF. Advanced video wall management up to a 9x9 configuration is also supported when paired with the VEO-XCTRL4D controller, along with additional control options. Front panel controls, PoE capability, and a built-in WebGUI with TCP and RS-232 control commands which offer straightforward setup and management, as well as relay and channel GPI/GPO control port, CEC, USB 2.0 KVM and IR extension, making it a robust, scalable solution ideal for professional AV installations demanding leading-edge signal distribution and control.

KEY FEATURES

- Video over IP Unicast and Multicast distribution over 1Gb managed networks.
- Dante AV-A ready.
- Support for JPEG2000 video codec with 1-2 frame latency.
- Support for HDMI® 18Gbps 4K 60Hz 4:4:4 as specified in HDMI® 2.0b.
- Transmission distance up to 100 meters over Cat 6 or higher cable.
- Support for Dante and AES67 for two channel In/Out audio.
- Support for Main and Sub stream for video preview.
- Support for video wall compositing and management up to 9 x 9 setups.
- Support for HDR10, HDR10+, Dolby Vision.
- Support for audio formats LPCM 2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-96/24, DTS-EX DSD, DTS High Res, DTS-HD Master, DTS:X, Dante/AES67 (2/2 flows).
- Advanced EDID Management.
- HDCP 2.2 compliant
- Dual RJ-45 network ports support joint or independent JPEG2000 and Dante distribution.
- Stereo unbalanced analogue and digital audio insertion and extraction via Euroblock and optical connectors.
- Includes HDMI® Loop Out
- USB 2.0/KVM, CEC, RS-232, IR pass-through.
- Control options include front panel buttons, RS-232, Telnet, SSH control, and WebGUI.
- Support for PoE function.

APPLICATIONS

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

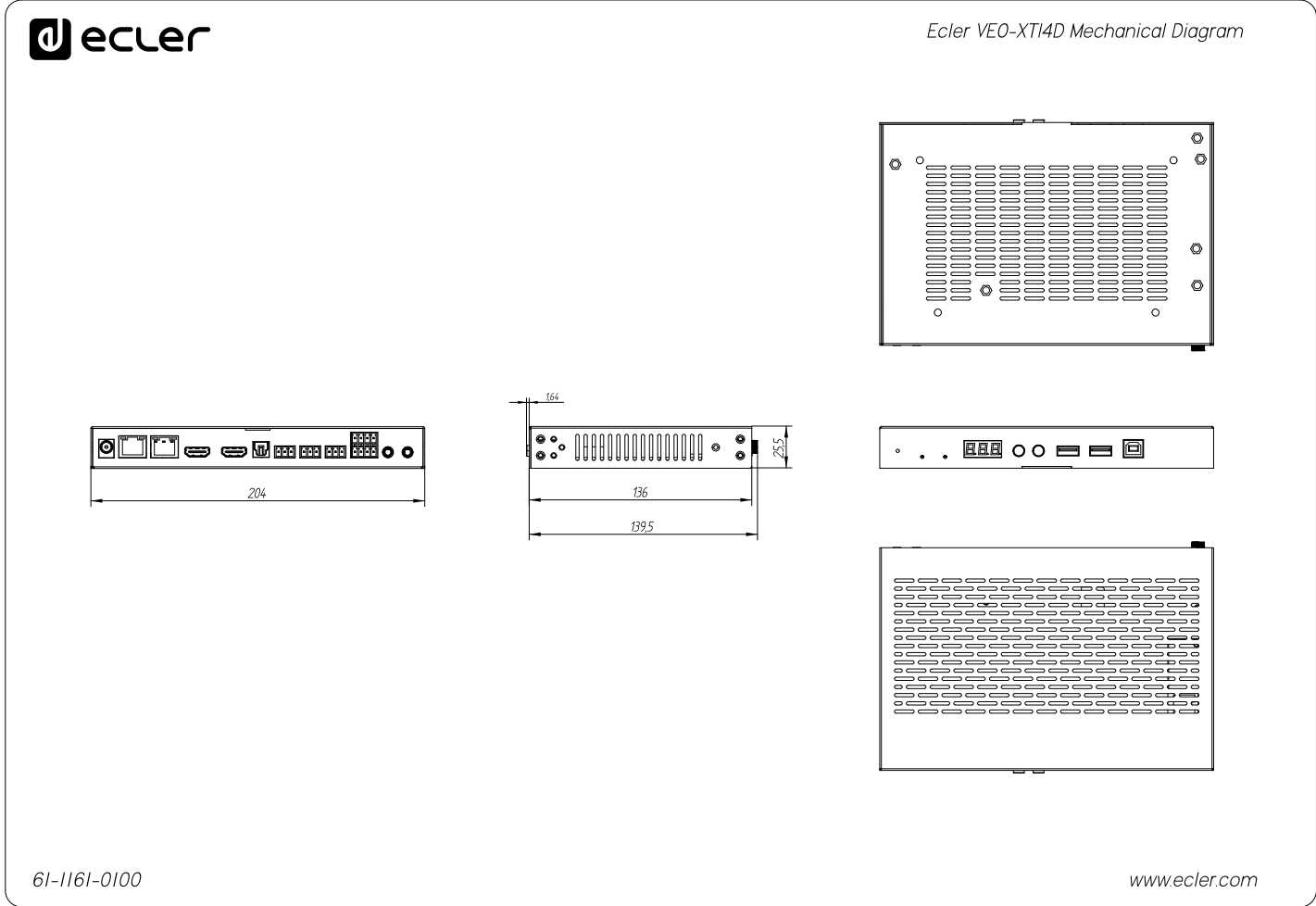
TECHNICAL SPECIFICATIONS

VEO-XTI4D

Video performances	
Video Input Connectors	1 x HDMI® Type A Female, 2.0, 18Gbps
Video Output Connectors	1 x HDMI® Type A Female, 2.0, 18Gbps
Video Input Resolutions	480i, 480p, 720i, 720p, 1080i, 1080p up to 60Hz, 4K up to 60Hz
Video Output Resolutions	1080p up to 60Hz, 4K up to 60Hz
Video Codec	JPEG2000
Transmission Latency	1-2 Frames
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
HDR	HDR10, HDR10+, Dolby Vision
Video Composing Capabilities	Videowall up to 9x9 (via VEO-XCTRL4D)
Scaling Features	Up to 4K 60Hz
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 Input Connectors	1 x 3-pin unbalanced Euroblock
Audio Output Connectors	1 x 3-pin unbalanced Euroblock, 1 x Optical SPDIF
Audio Formats	LPCM 2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-96/24, DTS-EX DSD, DTS High Res, DTS-HD Master, DTS:X, Dante/AES67 (2/2 flows)
Sample Rate	48KHz, 96KHz, 192KHz
Bit Depth	Up to 24-bit
Frequency Response	20Hz-20KHz (±3dB)
ARC/eARC	Yes
Device control	
Control Connectors	1 x RJ-45, 1 x 3-pin Euroblock, 1 x Jack 3,5mm
Control Protocols	Web, Telnet, RS-232, IR
Control Buttons	1 x Reset button, 2 x Input selection
EDID Management	EDID Settings
Status Indicators	Power LED, Link LED, 3 digit display
Pass-through control	
Pass-through Connectors	2 x USB Type A, 1 x USB Type B, 1 x 3-pin Euroblock, 2 x 4-pin Euroblock, 2 x 3.5mm Jack, 1 x HDMI®
Pass-through Protocols	USB 2.0, USB 1.1, RS-232, Relay IO, IR, CEC
Network	
Network Connectors	2 x RJ-45
Network Requirements	Jumbo Frame, IGMP Management
Average Streaming Bitrate	200 - 500Mbps (configurable via WebGUI)
Transmission Distance	100m via Ethernet (Cat 6 / 6A / 7)
Electrical	
Power supply	PoE; External: Input 100-240 VAC @ 50/60Hz, Output: 12VDC-2.5A
AC mains connector	External PSU. Included 4 region power blades (UK,US,AU,EU)
DC mains connector	DC Locking

	Power consumption	9.12W
Physical		
Operating temperature	Min: 0°C ; 32°F Max: 40°C ; 104°F	
Operating humidity	20% - 90% RH, no condensing	
Storage temperature	Min: -20°C ; -4°F Max: 60°C ; 140°F	
Storage humidity	20% - 90% RH, no condensing	
Included accessories	1 x IR Receiver cable (1.5 meters), 1 x IR Blaster cable (1.5 meters), 3 x 3-pin 3.5mm Euroblock connector, 2 x 4-pin 3.5mm Euroblock connector, 4 x Mounting ears, 8 x Mounting screw, 1 x PSU 12V/2.5A	
Optional accessories	VEO-XCTRL4D	
Dimensions (WxHxD)	204 x 25.5 x 136 mm / 8.03 x 1.0 x 5.35 in.	
Weight	0.631 Kg / 1.391 lb	
Shipping dimensions (WxHxD)	280 x 80 x 180 mm / 11.02 x 3.15 x 7.09 in.	
Shipping weight	1.16 kg / 2.56 lb	
Chassis material	Metal	
Finished colour	Black	

MECHANICAL DIAGRAM





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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