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EXT3-C-XR-T

4K60 4:4:4 USB-C Transmitter with USB, Ethernet, RS-232, & IR over Extended-Reach HDBaseT 3.0

| HDMI | Ethernet - RJ-45 | HDBaseT
| 4K/60 UHD (4:4:4)



EXT3-C-XR-T is a high-performance, extended-reach HDBaseT 3.0 transmitter, with a USB-C input, for 4K60Hz (4:4:4) HDMI, USB, Ethernet, RS-232, and IR signals over twisted pair. EXT3-C-XR-T transmitter converts all input signals into the transmitted HDBaseT 3.0 signal. It extends video signals to up 100m (330ft) over CAT copper cables at up to 4K@60Hz (4:4:4) video resolution

FEATURES

High Performance Standard Extender - Professional HDBaseT extender for providing extended-reach signals over twisted-pair copper infrastructures. EXT3-C-XR-T is a standard extender that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables

BYOD Ease and Convenience - Connect any DP-Alt-Mode-capable USB-C device as an AV presentation source, while providing the connected device with USB 2.0 and Ethernet connection, and (if PD-2.0-capable) up to 60 watts of power, via a single USB-C cable connection only

Convenient Display Power On/Off Control - Simply press the DISPLAY ON button to toggle on and off the power of the remote CEC-enabled display; button LED indicates the power on/off status of the remote display

HDMI Signal Extension - Uncompressed 4K@60Hz (4:4:4) HDMI, HDCP 2.3, EDID and CEC signals are passed through from the source to the display

HDMI Support - Supports HDR10, deep color, x.v.Color™, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0

HDMI Mirroring - Transmitter mirrors input HDMI signal to loop output port for connecting a local monitor or adding an additional unit in a daisy chain

Flexible USB 2.0 Extension - An active USB host is connected to the extender at either the transmitter or receiver sides. USB 2.0 signals are extended between the extender transmitter and receiver sides, enabling connection of the active USB host to both local and remote USB devices, such as camera and audio devices, or HID (Human Interface Devices) mouse or keyboard devices

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing, and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems

Multi-channel Audio Transmission - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

Ethernet Extension - Ethernet interface data flows in both directions allowing extension of up to 1 Gbps Ethernet connectivity for LAN communication and device control

Bidirectional RS-232 Extension - Serial interface data flows in both directions allowing data transmission and device control

Bidirectional Infrared Extension - IR interface data flows in both directions allowing remote control of peripheral devices located at either end of the extended line

Cost-effective Maintenance - Status LED indicators for HDMI, Loop, HDBT, and USB active host ports, facilitate easy local maintenance and troubleshooting

Easy and Elegant Installation - MegaTOOLS™ fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter



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TECHNICAL SPECIFICATIONS

Inputs	1 DP Alt Mode & PD 3.0 USB-C: On a USB type-C female connector
Outputs	1 HDBT: On an RJ-45 female connector 1 LOOP: On an HDMI female connector
Ports	2 USB 2.0 Device: On USB type-A female connectors 1 1000BaseT Ethernet: On an RJ-45 female connector for LAN extension 1 IR: On a 3.5mm mini jack for IR extension 1 RS-232: On a 3-pin terminal block for serial extension
USB Features	Integrated USB Hubs 1
Extension Line	Reach: Up to 100m (330ft) Note: When using Kramer HDBaseT cables Standards Compliance: HDBaseT 3.0
Video	Max Data Rate: 18Gbps bandwidth (6Gbps per graphic channel) Max Resolution: 4K@60Hz (4:4:4) 24bpp resolution Content Protection: HDCP 2.3 HDMI Support: 4K as specified in HDMI 2.0b
Extended USB	Data Rate: Up to 480Mbps Transmitted Data Bandwidth: Up to 300Mbps Standards Compliance: 1.1 and 2.0 USB
Extended Ethernet	Max Data Rate: 1 Gbps
Extended RS-232	Baud Rate: 300 to 115200
Power	Power Adapter: Source: 20V DC, 6A Consumption: 20V DC, 4.35A Max. Power: 88W PoE Consumption: 410mA Max. Power: 19.7W USB-C Charging Max. Power: 60W Compliance: PD 3.0 USB Device Charging Max. Total Current: 2A
Enclosure	Size: Mega Tools Material: Aluminum Cooling: Convection ventilation
Environmental	Operating Temperature: 0° to +40°C (32° to 104°F)

Conditions

Storage Temperature: -40° to +70°C (-40° to 158°F)

Humidity: 10% to 90%, RHL non-condensing

Extended IR

Safety: CE

Regulatory Compliance (Standards Compliance)

Environmental: RoHs and WEEE

Accessories

C-USB31/CC-3

Included:

USB-C 1m cable, power adapter, bracket, rubber feet

Product Dimensions

19.00cm x 11.60cm x 2.70cm (7.48" x 4.57" x 1.06") W, D, H

Product Weight

0.6kg (1.2lbs) approx

Shipping Dimensions

34.50cm x 21.00cm x 6.70cm (13.58" x 8.27" x 2.64") W, D, H

Shipping Weight

1.2kg (2.5lbs) approx

