EXT3-C-WP-XR-T USB-C transmitter is a high-performance, extended-reach HDBaseT 3.0 transmitter for 4K60Hz (4:4:4) HDMI, USB, Ethernet, RS-232, and IR signals over twisted pair. The EXT3-C-WP-XR-T transmitter converts all input signals into the transmitted HDBaseT 3.0 signal and extends it over HDBT to a compatible receiver. The EXT3-C-WP-XR-T transmitter accepts power over the copper extension cable from a PoE provider remote device.

**FEATURES**

- **Neat Room Integration** - Aesthetic and modern front panel look and design that integrates nicely with design of room and podium deployments, in addition with wall-plate clean and convenient user interface, substantially increase customer and user quality of experience.

- **High Performance Standard Extender** - Professional HDBaseT extender for providing extended-reach signals over twisted-pair copper infrastructures. EXT3-C-WP-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, 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.

- **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.

- **Infrared Extension** - IR interface data flows to output port, allowing remote control of peripheral devices located at the transmitter proximity.

- **Remote Powering** - Device can be powered by PoE (power over ethernet), reducing the need for power sources.

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

- **Easy and Elegant Installation** - Compactly fits into standard US, 2-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective via a single twisted pair cable, providing multiple signals and power connections.
TECHNICAL SPECIFICATIONS

Inputs
1 DP Alt Mode & PD 3.0 USB-C: On a USB type–C female connector

Outputs
1 HDBT On a female RJ–45 connector
1 LOOP HDMI On a female HDMI connector
1 IR On a 2–pin Terminal Block Connector

Ports
2 USB 2.0 On USB device type–A female connectors
1 Gbps LAN On an RJ–45 female connector
1 RS–232: On a 3–pin terminal block for serial extension

USB Features
Integrated USB Hubs 1

Extension Line
Reach: Up to 90m (295ft)

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: 2 Gang Decora–compatible
Material: Aluminum
Cooling: Fan ventilation
<table>
<thead>
<tr>
<th><strong>Environmental Conditions</strong></th>
<th>Operating Temperature: 0° to +40°C (32° to 104°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Storage Temperature: −40° to +70°C (−40° to 158°F)</td>
</tr>
<tr>
<td></td>
<td>Humidity: 10% to 90%, RHL non-condensing</td>
</tr>
<tr>
<td><strong>Regulatory Compliance</strong></td>
<td>Safety: CE, UKCA</td>
</tr>
<tr>
<td><strong>(Standards Compliance)</strong></td>
<td>Environmental: RoHs and WEEE</td>
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<tr>
<td><strong>General</strong></td>
<td>PRODUCT DIMENSIONS: 12.1cm x 4.7cm x 12.1cm (4.8&quot; x 1.85&quot; x 4.8&quot;) W, D, H</td>
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<tr>
<td></td>
<td>PRODUCT WEIGHT: 0.097kg (0.21lbs)</td>
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<tr>
<td></td>
<td>SHIPPING DIMENSIONS: 11.5cm x 4.7cm x 7cm (4.5&quot; x 1.85&quot; x 2.7&quot;)</td>
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<tr>
<td></td>
<td>SHIPPING WEIGHT: 0.666kg (1.47lbs) approx</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>Included: 1 Multi signal USB−C cable (1m), power adapter and cord</td>
</tr>
</tbody>
</table>
## CONFIGURATIONS

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXT3-C-WP-XR-T/US(W)</td>
<td>US Wall–Plate Transmitter, White Decora® Design Panel</td>
</tr>
<tr>
<td>EXT3-C-WP-XR-T/US(B)</td>
<td>US Wall–Plate Transmitter, Black Decora® Design Panel</td>
</tr>
</tbody>
</table>

![Diagram of system connections](image-url)