

# DTP T EU 4K 331

LONG DISTANCE DTP TRANSMITTER  
FOR EU-TYPE JUNCTION BOXES

**DTP**  
SYSTEMS

**4K UHD**



The Extron DTP T EU 4K 331 is a compact transmitter for sending HDMI up to 330 feet (100 meters) over a shielded CATx cable to Extron DTP® 330-enabled products. The DTP transmitter is compatible with standard one-gang EU-type junction boxes for convenient installation in wall mount environments. The HDCP-compliant transmitter features a convenient one-gang form factor that offers maximum placement flexibility.

- ▶ Designed to mount in a one-gang EU-type electrical junction box
- ▶ Transmits HDMI up to 330 feet (100 meters) over a shielded CATx cable
- ▶ Supports computer and video resolutions up to 4K
- ▶ Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- ▶ DTP® output is compatible with HDBaseT-enabled devices
- ▶ Supports multiple embedded audio formats
- ▶ HDCP 2.2 compliant
- ▶ Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- ▶ Supports EDID and HDCP transmission
- ▶ Remote power capability
- ▶ Compatible with all DTP 330 Series receivers and DTP 330-enabled products



**Extron Electronics**  
INTERFACING, SWITCHING AND CONTROL

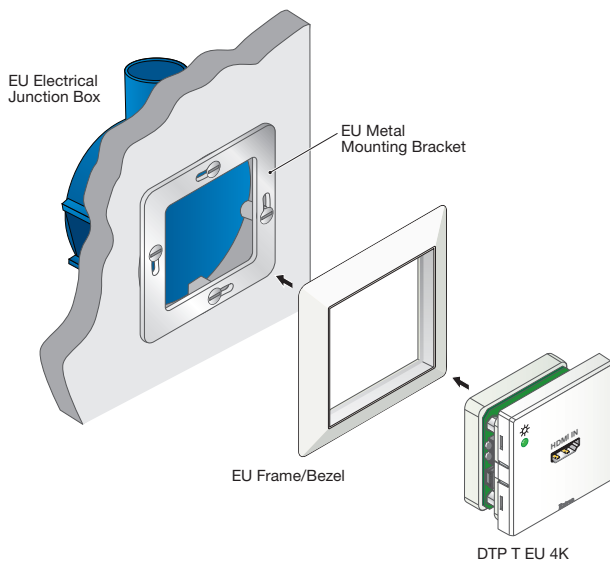
## DESCRIPTION

The Extron **DTP T EU 4K 331** is a compact transmitter for sending HDMI signals up to 330 feet (100 meters) over a shielded CATx cable to Extron DTP 330-enabled products. The transmitter is compatible with standard one-gang EU-type junction boxes for convenient installation in wall mount environments. The DTP T EU 4K 331 supports video signals at resolutions up to 4K. It features a front panel LED indicator for power and signal presence, and compatibility with HDBaseT-enabled devices. Designed for DTP Systems, the DTP T EU 4K 331 can be remotely powered by Extron DTP CrossPoint® matrix switchers or other DTP 330-enabled products. The one-gang design provides maximum space efficiency and the convenience of placing input connections precisely where they are needed.

## KEY FEATURES

- ▶ Designed to mount in a one-gang EU-type electrical junction box
- ▶ Transmits HDMI up to 330 feet (100 meters) over a shielded CATx cable
- ▶ Supports computer and video resolutions up 4K
- ▶ HDCP 2.2 compliant
- ▶ DTP output is compatible with HDBaseT-enabled devices
- ▶ Remote power capability

## APPLICATION DIAGRAM



## SPECIFICATIONS

### TRUE 4K SPECIFICATION

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 30 Hz 3840 x 2160 at 30 Hz	4:4:4	8 bit
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz	4:2:0	8 bit
<b>Frame rate<sup>1</sup></b>	24, 25, 30, 50, or 60 fps	
<b>Chroma sampling<sup>1</sup></b>	4:4:4, 4:2:2, or 4:2:0	
<b>Color bit depth<sup>1</sup></b>	8 bits per color	
<b>Signal type</b>	HDMI 1.4, HDCP 2.2, 2.0, 1.4	
<b>Max. video data rate</b>	10.2 Gbps (3.4 Gbps per color)	
<b>NOTE:</b> <sup>1</sup> Subject to the maximum data rate limit. Use our calculator at <a href="http://www.extron.com/4Kdata">www.extron.com/4Kdata</a> to determine video parameters supported by this data rate.		

### VIDEO INPUT

Connector 1 female HDMI type A

### INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER

Connector 1 female RJ-45

Signal transmission distance Up to 330' (100 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable

Cable requirements Solid conductor, 24 AWG or better

Cable recommendations 400 MHz bandwidth STP cable

**NOTE:** Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance.

**NOTE:** Output mode signaling:

**DTP:** HDMI with embedded audio and remote power

**HDBaseT:** HDMI with embedded audio

### GENERAL

Power supply External  
Input: 100 to 240 VAC, 50-60 Hz  
Output: 12 VDC, 1 A, TBD watts

Mounting Mounts to 1-gang enclosures with 60 mm mounting centers.

### Enclosure dimensions

Frame 3.17" H x 3.17" W x 0.40" D (1-gang)  
(80.5 mm H x 80.5 mm W x 10.1 mm D)  
Device module 2.17" H x 2.17" W x 1.52" D  
(55.0 mm H x 55.0 mm W x 38.4 mm D)  
Fits mounting frames that accept 55 mm x 55 mm modules.  
(Allow at least 1.9" [47 mm] in the junction box for device plus cable clearance.)

### Regulatory compliance

Safety CE, c-UL, UL  
EMI/EMC CE\*\*, C-tick, FCC Class A\*\*, ICES, VCCI  
Environmental Complies with the appropriate requirements of RoHS, WEEE.

Model	Version Description	Part number
DTP T EU 4K 331	HDMI EU Tx - 330 feet (100 m)	60-1532-52

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.

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