

# DTP T UWP 4K 232 D ●

DTP TRANSMITTER FOR HDMI AND VGA  
WITH AUDIO EMBEDDING



**DTP**  
SYSTEMS

**4K UHD**

The Extron DTP T UWP 4K 232 D is a decorator-style transmitter that provides signal extension for up to two sources, sending HDMI, VGA, control, and analog audio up to 230 feet (70 meters) over a shielded CATx cable to Extron DTP®-enabled products. The HDCP-compliant transmitter includes several integrator-friendly features in a convenient form factor that offers maximum placement flexibility.

- ▶ Transmits HDMI, VGA, control, and analog audio up to 230 feet (70 meters) over a shielded CATx cable
- ▶ One HDMI input and one VGA input
- ▶ Supports computer and video resolutions up to 4K
- ▶ Auto-switching between inputs
- ▶ Remote control via contact closure or RS-232

- ▶ Analog stereo audio embedding
- ▶ Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- ▶ Independent analog audio inputs
- ▶ Bidirectional RS-232 pass-through for AV device control
- ▶ Remote power capability
- ▶ Supported HDMI specification features include data rates up to 10.2 Gbps, 3D, and HD lossless audio formats
- ▶ EDID Minder®
- ▶ Compatible with all DTP® 230 Series receivers and DTP-enabled products
- ▶ Mounts in an included two-gang decorator-style wallplate
- ▶ Highly reliable, energy-efficient external universal power supply included

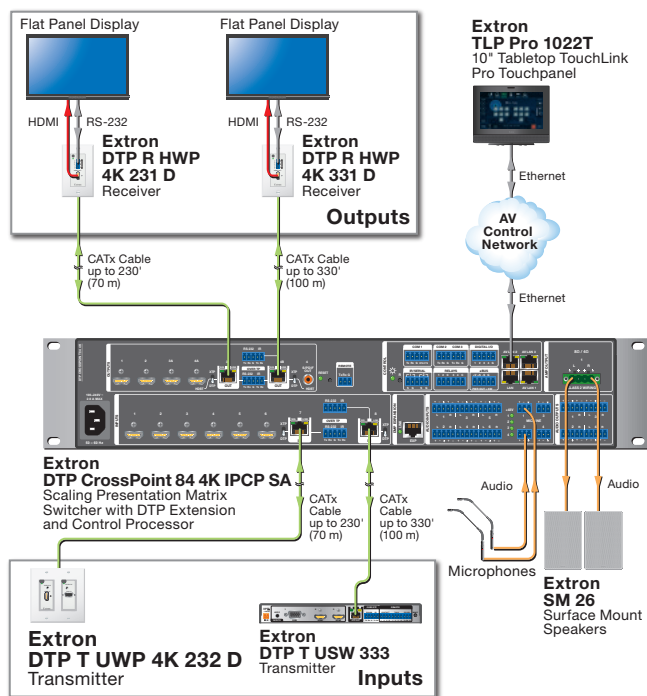
**Extron**

## DESCRIPTION

The Extron **DTP T UWP 4K 232 D** is a two input, decorator-style transmitter for sending HDMI, VGA, control, and analog audio up to 230 feet (70 meters) over a shielded CATx cable to Extron DTP-enabled products. The HDCP-compliant transmitter provides one HDMI input and one VGA input, both with independent analog stereo audio connections. The DTP T UWP 4K 232 D supports video signals at resolutions up to 4K. Integrator-friendly features include analog stereo audio embedding, EDID Minder, auto-switching between inputs, RS-232 and contact closure remote control for simplified input selection, remote power capability, and bidirectional RS-232 pass-through for remote AV device control. The wall-mountable design of the DTP T UWP 4K 232 D provides the convenience of placing input connections precisely where they are needed.

For added installation flexibility, the transmitter can be remotely powered over the shielded twisted pair cable by a DTP-enabled product. The DTP T UWP 4K 232 D can be integrated with an Extron DTP CrossPoint® Presentation Matrix Switcher, or other DTP-enabled products to support sources at remote locations.

## 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	4:4:4	8 bit
3840 x 2160 at 30 Hz		
Frame rate <sup>1</sup>	24, 25, or 30 fps	
Chroma sampling <sup>1</sup>	4:4:4, 4:2:2	
Color bit depth <sup>1</sup>	8 bits per color	
Signal type	DVI 1.0, HDMI 1.4, HDCP 1.4	
Max. video data rate	10.2 Gbps (3.4 Gbps per color)	
<b>NOTE:</b> <sup>1</sup> Subject to the maximum data rate limit. Use our calculator <a href="http://www.extron.com/4Kdata">www.extron.com/4Kdata</a> to determine video parameters supported by this data rate.		

### VIDEO INPUT – HDMI

Connectors 1 female HDMI type A

### VIDEO INPUT – VGA

Connectors 1 female 15-pin HD (RGB)

### INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER

#### Signal transmission distance

1080p @ 60 Hz Up to 230' (70 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable  
2048x1080 (2K) @ 60 Hz Up to 130' (40 m) using STP cable or XTP DTP 24 cable  
4K/UHD @ 30 Hz Up to 130' (40 m) using STP cable or XTP DTP 24 cable

Cable recommendations 400 MHz bandwidth STP cable

Cable requirements Solid conductor, 24 AWG or better

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

### AUDIO INPUT

Number/signal type Analog audio (over DTP) 2 stereo, unbalanced

### COMMUNICATIONS – TRANSMITTER

Serial control port RS-232 via (1) 3.5 mm, 5-pole captive screw connector for RS-232 control (±5 V) and contact closure input switching

Contact closure remote control (1) 3.5 mm, 5-pole captive screw connector (connector is shared with RS-232 control port)

### COMMUNICATIONS – EXTERNAL DEVICE (PASS-THROUGH)

Serial control pass-through port Bidirectional RS-232

### GENERAL

Power supply External  
Input: 100-240 VAC, 50-60 Hz  
Output: 12 VDC, 1.5 A, 18 watts

Enclosure dimensions Device Two 2.70" H x 3.50" W x 1.90" D  
(69 mm H x 89 mm W x 48 mm D)

Regulatory compliance Safety c-UL, UL  
EMI/EMC AS/NZS, CE\*\*, FCC Class A\*\*, ICES, VCCI  
Environmental Complies with the appropriate requirements of RoHS, WEEE

Model	Version Description	Part number
DTP T UWP 4K 232 D	HDMI, VGA Decorator Tx, Black – 230 feet (70 m)	60-1755-12
DTP T UWP 4K 232 D	HDMI, VGA Decorator Tx, White – 230 feet (70 m)	60-1755-13

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

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