DTP T UWP 4K 232 D

DTP TRANSMITTER FOR HDMI AND VGA WITH AUDIO EMBEDDING

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

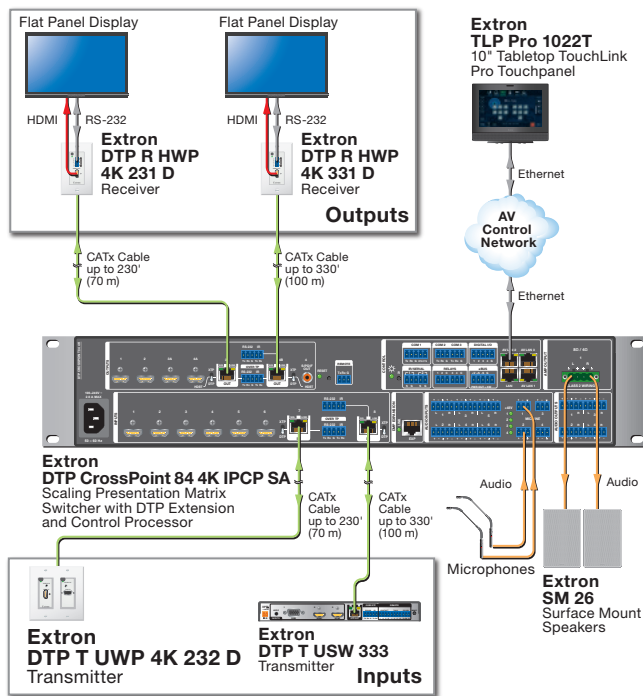▸ Highly reliable, energy-efficient external universal power supply included

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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[1]	24, 25, or 30 fps
Chroma sampling[1]	4:4:4, 4:2:2
Color bit depth[1]	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)

NOTE: [1]Subject to the maximum data rate limit. Use our calculator www.extron.com/4Kdatarate 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
Specifications are subject to change without notice.