

DTP T DWP 4K 232 D

DTP TRANSMITTER FOR
DISPLAYPORT AND HDMI WITH
AUDIO EMBEDDING

DTP
SYSTEMS

4K UHD



The Extron DTP T DWP 4K 232 D is a decorator-style transmitter that provides signal extension for up to two sources, sending DisplayPort or HDMI, audio, and control 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 DisplayPort or HDMI plus control and analog audio up to 230 feet (70 meters) over a shielded CATx cable
- ▶ One DisplayPort input and one HDMI input
- ▶ Auto-switching between inputs
- ▶ Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- ▶ Analog stereo audio embedding
- ▶ Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- ▶ DTP™ output is compatible with HDBaseT-enabled devices
- ▶ Independent analog audio inputs
- ▶ Bidirectional RS-232 and IR pass-through for AV device control
- ▶ Remote power capability
- ▶ Supports DisplayPort data rates up to 10.8 Gbps
- ▶ Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 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



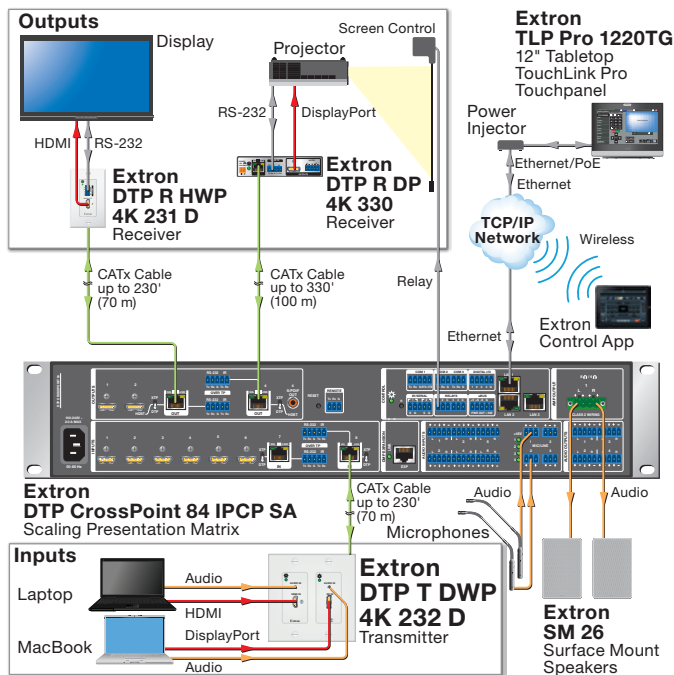
Extron Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **DTP T DWP 4K 232 D** is a two input decorator-style transmitter for sending DisplayPort or HDMI, audio, and control up to 230 feet (70 meters) over a shielded CATx cable to Extron DTP-enabled products. It provides one DisplayPort input and one HDMI input, with independent analog stereo audio connections. The DTP T DWP 4K 232 D supports video signals at resolutions up to 4K, including 1080p/60 Deep Color. Analog stereo audio embedding and RS-232 remote control facilitate integration in demanding professional environments. Integrator-friendly features include EDID Minder, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design provides the convenience of placing input connections precisely where they are needed.

For added installation flexibility, the transmitter features independent connections for embedding stereo analog audio onto the digital video output signal for transport over DTP. It also offers an HDBaseT output mode for sending digital video and embedded audio, plus bidirectional control signals to any HDBaseT-enabled display. The DTP T DWP 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 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	
Frame rate¹	24, 25, 30, 50 ² , or 60 ² fps	
Chroma sampling¹	4:4:4, 4:2:2, or 4:2:0 ²	
Color bit depth¹	8 bits per color	
Signal type¹	HDMI 1.4, DisplayPort 1.1a, HDCP 1.4	
Max. video data rate¹		
HDMI	10.2 Gbps (3.4 Gbps per color)	
DisplayPort	10.8 Gbps (2.7 Gbps per lane)	
NOTE: ¹ Subject to the maximum data rate limit. Use our calculator (www.extron.com/4Kdata) to determine video parameters supported by this data rate.		
² Applicable to HDMI signals only.		

INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER

Signal type	1 DTP 230 output
Connectors	1 female RJ-45 jack
DTP signal	
Signal transmission distance	
1080p @ 60 Hz	Up to 230' (70 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable
2560x1600 @ 60 Hz	Up to 130' (40 m) using STP cable or XTP DTP 24 cable
4K/UHD @ 30 and 60 Hz	Up to 130' (40 m) using 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, analog audio, RS-232 and IR, and remote power
HDBaseT:	HDMI with embedded audio plus RS-232 and IR

AUDIO INPUT

Number/signal type	2 stereo, unbalanced
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CONTROL/REMOTE – SWITCHER

Serial control port	RS-232 via 1 rear panel 3.5 mm, 3-pole captive screw connector
USB control port	1 front panel female mini USB B
Program control	Extron Simple Instruction Set (SIS™)

GENERAL

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

Device	Two 2.7" H x 3.5" W x 1.9" D (6.9 cm H x 8.9 cm W x 4.8 cm D)
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NOTE: Shipping dimensions and weights are available at www.extron.com.

Model	Version Description	Part number
DTP T DWP 4K 232 D	Two Input Decorator-Style Tx, Black - 230 feet (70 m)	60-1498-12
DTP T DWP 4K 232 D	Two Input Decorator-Style Tx, White - 230 feet (70 m)	60-1498-13

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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