# DTP T DWP 4K 332 D

## LONG DISTANCE DTP TRANSMITTER FOR DISPLAYPORT AND HDMI WITH AUDIO EMBEDDING





The Extron DTP T DWP 4K 332 D is a decorator-style transmitter that provides signal extension for up to two sources, sending DisplayPort or HDMI, audio, and control up to 330 feet (100 meters) over a shielded CATx cable to Extron DTP™ 330-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 330 feet (100 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 330 Series receivers and DTP 330-enabled products**

▸ **Mounts in an included two-gang decorator-style wallplate**

▸ **Highly reliable, energy-efficient external universal power supply included**
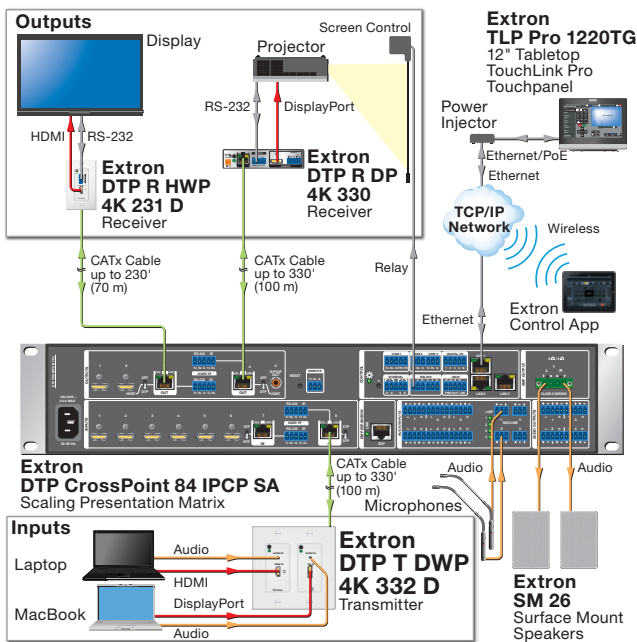
**Extron Electronics**
INTERFACING, SWITCHING AND CONTROL

# DESCRIPTION

The Extron **DTP T DWP 4K 332 D** is a two-input decorator-style transmitter for sending DisplayPort or HDMI, audio, and control up to 330 feet (!00 meters) over a shielded CATx cable to Extron DTP 330-enabled products. It provides one DisplayPort input and one HDMI input, with independent analog stereo audio connections. The DTP T DWP 4K 332 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 332 D can be integrated with an Extron DTP CrossPoint® Presentation Matrix Switcher, or other DTP 330-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<br>3840 x 2160 at 30 Hz | 4:4:4 | 8 bit |
| 4096 x 2160 at 60 Hz<br>3840 x 2160 at 60 Hz | 4:2:0 | |

| | |
|---|---|
| Frame rate[1] | 24, 25, 30, 50[2], or 60[2] fps |
| Chroma sampling[1] | 4:4:4, 4:2:2, or 4:2:0[2] |
| Color bit depth[1] | 8 bits per color |
| Signal type[1] | HDMI 1.4 , DisplayPort 1.1a, HDCP 1.4 |
| Max. video data rate[1] | |
| 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/4Kdatarate) to determine video parameters supported by this data rate.
[2]Applicable to HDMI signals only.

### INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER

| | |
|---|---|
| Signal type | 1 DTP 330 output |
| Connectors | 1 female RJ-45 jack |
| DTP signal | |
| Signal transmission distance | |
| 1080p @ 60 Hz | Up to 330' (100 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable |
| 2560x1600 @ 60 Hz | Up to 330' (100 m) using STP cable or XTP DTP 24 cable |
| 4K/UHD @ 30 and 60 Hz | Up to 330' (100 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 |

### 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<br>Input: 100-240 VAC, 50-60 Hz<br>Output: 12 VDC, 1 A, 12 watts |
| Enclosure dimensions | |
| Device | Two 2.7" H x 3.5" W x 1.9" D<br>(6.9 cm H x 8.9 cm W x 4.8 cm D) |

**NOTE:** Shipping dimensions and weights are available at www.extron.com.

| Model | Version Description | Part number |
|---|---|---|
| DTP T DWP 4K 332 D | Two Input Decorator-Style Tx, Black - 330 feet (100 m) | 60-1498-52 |
| DTP T DWP 4K 332 D | Two Input Decorator-Style Tx, White - 330 feet (100 m) | 60-1498-53 |

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