DTP3 T 202

4K/60 HDMI DTP3 TRANSMITTER WITH INPUT LOOP-THROUGH

The DTP3 T 202 is Extron's third-generation long distance, digital twisted pair transmitter that sends HDMI and bidirectional RS-232 signals up to 330 feet (100 meters) over a shielded CAT6A cable to Extron DTP®-enabled products. This HDCP 2.3-compliant transmitter supports video resolutions up to 4K/60 at 4:4:4 color sampling. For added convenience, it provides one HDMI input with loop-through for local monitoring. The feature-rich and compact DTP3 T 202 is ideal for discreet placement in lecterns, beneath tables, or wherever needed to meet application requirements.

▸ Transmits HDMI plus control up to 330' (100 m) over a shielded CAT6A cable

▸ Supports computer and video resolutions up to 4K/60 @ 4:4:4

▸ Buffered HDMI input loop-through

▸ EDID Minder® automatically manages EDID communication between connected devices

▸ HDCP 2.3 compliant

▸ Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through

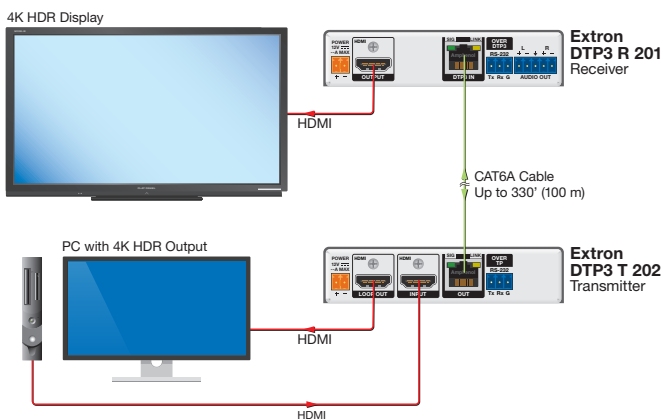▸ Remote power capability with DTP3 products

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DESCRIPTION

The Extron **DTP3 T 202** is a third-generation long distance, digital twisted pair transmitter for sending HDMI, audio, and bidirectional RS-232 signals up to 330 feet (100 meters) over a shielded CAT6A cable to Extron DTP®-enabled products. It provides one HDMI input with loop-through for local monitoring. The transmitter supports video resolutions up to 4K/60 at 4:4:4 color sampling, complies with HDCP 2.3, and features EDID Minder®. For maximum image quality and minimal latency, all supported video resolutions are transported without compression. The compact enclosure size and flexible remote power capability, from either the transmitter or receiver, make the DTP3 T 202 ideal for discreet placement in lecterns, beneath tables, or wherever needed to meet application requirements.

The transmitter enables the reliable transmission of HDMI 2.0b signals at data rates up to 18 Gbps supporting HDR, Deep Color up to 12-bit, 3D, and embedded HD lossless audio formats. The DTP3 output can be configured to send video and embedded audio, plus bidirectional RS-232 signals, to an HDBaseT-enabled display. To ensure optimal performance, Extron recommends XTP DTP 22 cables and accessories. These 22-gauge shielded twisted pair cables, plugs, jacks, and couplers have been engineered for optimum performance for DTP3 products running at 18 Gbps.

The DTP3 T 202 automatically adjusts color bit depth based on the display EDID to prevent color compatibility conflicts between a source and the display. Front panel LED indicators provide immediate visual confirmation of signal presence for the input, as well as HDCP status and power. On the back panel, LEDs indicate signal presence and link status for the output. A buffered HDMI input loop-through provides an output signal to drive a local monitor.

APPLICATION DIAGRAM

SPECIFICATIONS

TRUE 4K SPECIFICATION

Max 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz 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	12 bit

Frame rate[1]	24, 25, 30, 50, or 60 fps
Chroma sampling[1]	4:4:4, 4:2:2, or 4:2:0
Color bit depth[1]	8, 10, 12 bits per color
Signal type	HDMI 1.x/2.0b, HDCP 2.3
Max. video data rate	18 Gbps (6 Gbps per color)

NOTE: [1]Subject to the maximum data rate limit. Use our calculator at www.extron.com/8Kdatarate to determine video parameters supported by this data rate.

VIDEO INPUT

Connector	
HDMI input	1 female HDMI, type A

INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER

Connector	1 female RJ-45 per unit
Signal transmission distance	Up to 330' (100 m) using CAT 6A shielded twisted pair (STP) cable
Cable requirements	Solid conductor, 22 AWG or better
Cable recommendations	500 MHz bandwidth, STP (shielded twisted pair)

VIDEO OUTPUT

Connectors	1 female HDMI (loop through) 1 female RJ-45 jack

NOTE: *Appropriate HDMI to DVI-D cables or adapters are required for DVI signal input/output.

CONTROL/REMOTE — EXTERNAL DEVICE (RS-232 OVER TP)

Serial control pass-through ports	(1) RS-232 3.5 mm 3-pole captive screw connector
Protocol	8 or 7 data bits 1 or 2 stop bits No parity (default), even or odd parity

CONTROL/REMOTE

USB control port	1 front panel female USB-C
USB standards	USB 2.0, low speed
Program control	Extron Simple Instruction Set (SIS) Extron Product Configuration Software (PCS)

GENERAL

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts
Everlast power supply warranty	7 years parts and labor

Model	Version Description	Part number
DTP3 T 202	HDMI 4K/60 Tx - 330 feet (100 m)	60-1869-52

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

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