

DTP3 R 201

4K/60 HDMI DTP3 RECEIVER WITH AUDIO DE-EMBEDDING



DTP
SYSTEMS

18 Gbps
4K/60 4:4:4

The DTP3 R 201 is Extron's third-generation long distance, digital twisted pair receiver that accepts HDMI and bidirectional RS-232 signals up to 330 feet (100 meters) over a shielded CAT6A cable from Extron DTP®-enabled products. This HDCP 2.3-compliant receiver supports video resolutions up to 4K/60 at 4:4:4 color sampling. It provides stereo audio de-embedding for convenient installation in professional environments. The feature-rich and compact DTP3 R 201 is ideal for discreet placement behind displays, within equipment racks, or wherever needed to meet application requirements.

- ▶ Receives 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
- ▶ Stereo audio de-embedding
- ▶ 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
- ▶ Optional external Extron Everlast™ power supply
- ▶ Remote power capability with DTP3 products

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DESCRIPTION

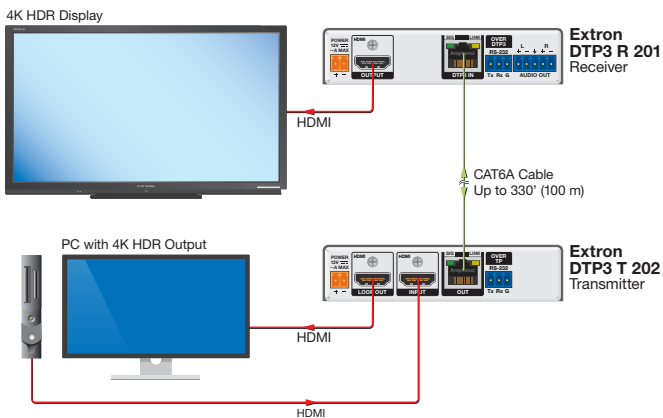
The Extron **DTP3 R 201** is a third-generation long distance, digital twisted pair receiver that works with Extron DTP®-enabled products to extend HDMI, audio, and bidirectional RS-232 signals up to 330 feet (100 meters) over a shielded CAT6A cable. It supports video resolutions up to 4K/60 at 4:4:4 color sampling and complies with HDCP 2.3. For maximum image quality and minimal latency, all supported video resolutions are transported without compression. The receiver features stereo audio de-embedding for convenient installation in professional environments. The compact enclosure size and flexible remote power capability make the DTP3 R 201 ideal for discreet placement behind displays, within equipment racks, or wherever needed to meet application requirements.

The receiver enables the reliable transmission of HDMI 2.0b signals, supporting data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, and embedded HD lossless audio formats. To ensure optimal performance, Extron recommends XTP DTP 22 cables and accessories.

When HDCP-encrypted content is transmitted to a non-HDCP compliant display, a full screen green signal is sent to the display for immediate visual confirmation that protected content cannot be viewed on that display. Also, the receiver supports transmission of bidirectional RS-232 from a control system for AV device control.

The DTP3 R 201 can be remotely powered over the same shielded twisted pair cable by a DTP3-enabled product. It can be configured to provide power to a connected DTP3 transmitter, allowing both devices to share one power supply.

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/8Kdata to determine video parameters supported by this data rate.		

VIDEO INPUT – RECEIVER

Connector	DTP3 input	1 female RJ-45 jack
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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
NOTE: *Appropriate HDMI to DVI-D cables or adapters are required for DVI signal input/output.	

AUDIO OUTPUT – ANALOG

Number/signal type	1 stereo, balanced/unbalanced (fixed and variable outputs) 1 analog audio and 1 embedded digital audio on HDMI
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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 R 201	HDMI 4K/60 Rx - 330 feet (100 m)	60-1869-53

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

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