

DTP DVI 330

LONG DISTANCE DVI TWISTED PAIR EXTENDER

- ▶ Transmits single link DVI-D plus control and analog audio up to 330 feet (100 meters) over a single CATx cable
- ▶ Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- ▶ Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- ▶ Bidirectional RS-232 and IR control pass-through
- ▶ Accepts additional analog stereo audio signals
- ▶ DVI input loop-through
- ▶ Supports EDID and HDCP transmission
- ▶ DDC routing to local or remote display
- ▶ Remote powering of transmitter or receiver
- ▶ UL 2043 Plenum rated receiver
- ▶ Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC
- ▶ Compatible with DTP HDMI 330
- ▶ 1" (2.5 cm) high, quarter rack width metal enclosures
- ▶ Energy-efficient external universal power supply included with Tx models



DTP DVI 330 Tx

DTP DVI 330 Rx

The Extron DTP DVI 330 extender sends single link DVI-D video, analog audio, and bidirectional control signals up to 330 feet (100 meters) over a single CATx cable. Local monitor support enables simplified PC integration. The DTP DVI 330 delivers superior image quality by maintaining the digital signal path of HDTV and high resolution computer-video throughout the system.



Extron Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

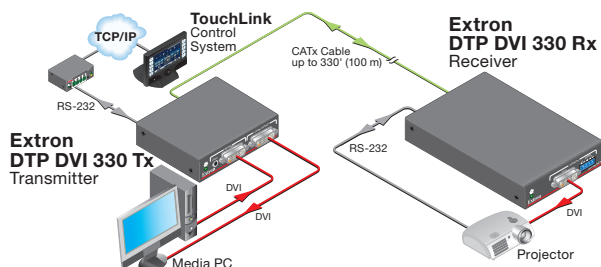
The Extron **DTP DVI 330** is a transmitter and receiver set for long distance transmission of DVI-D video, audio, and bidirectional RS-232 and IR signals over a single CATx cable. In addition, the DTP DVI 330 accepts analog stereo audio signals and digitizes them for simultaneous transmission over the same twisted pair cable. It is capable of sending 1920x1200, 1080p/60 Deep Color, and 2K signals up to 330 feet (100 meters). The transmitter is equipped with a buffered DVI loop-through output to support a local computer monitor. DDC communication of EDID and HDCP is selectable between the local or remote display and is continuously maintained between a source and display.

The DTP DVI 330 can be used as a point to point solution or integrated with a switching and distribution system to extend inputs or outputs to remote locations. In addition, the DTP DVI 330 is fully compatible with HDMI signals when used with the appropriate DVI-HDMI adapters from Extron. The twisted pair extender supports simultaneous transmission of bidirectional RS-232 and IR signals from a control system, providing remote control to source equipment or remote displays.

KEY FEATURES

- ▶ Transmits single link DVI-D plus control and analog audio up to 330 feet (100 meters) over a single CATx cable
- ▶ Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- ▶ Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- ▶ Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- ▶ Accepts additional analog stereo audio signals
- ▶ DVI input loop-through
- ▶ Remote powering of transmitter or receiver
- ▶ UL 2043 plenum rated receiver – Meets UL 2043 for heat and smoke release, excluding power supply

APPLICATION DIAGRAM



SPECIFICATIONS

VIDEO		
Maximum data rate	6.75 Gbps (2.25 Gbps per color)	
Maximum pixel clock	165 MHz	
Resolution range	Up to 1920x1200 or 1080p @ 60 Hz; 8, 10, or 12 bit color depth	
VIDEO INPUT – TRANSMITTER		
Number/signal type	1 single link DVI-D (or HDMI*) input 1 single link DVI-D (or HDMI*) local loop-through	
INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER		
Connectors	1 female RJ-45 per unit	
Signal transmission distance	Up to 330' (100 m) using CAT 5e/6/6a/7 cable or XTP DTP 24 TP cable	
Cable requirements	Solid conductor, 24 AWG or better	
Cable recommendations	400 MHz bandwidth, STP (shielded twisted pair)	
NOTE: Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance.		
VIDEO OUTPUT – RECEIVER		
Number/signal type	1 single link DVI-D (or HDMI*)	
AUDIO		
Gain	Unbalanced output: 0 dB; balanced output +6 dB	
AUDIO INPUT		
Number/signal type	1 PC level stereo, unbalanced	
AUDIO OUTPUT		
Number/signal type	1 stereo (2 channel), balanced/unbalanced	
CONTROL/REMOTE		
External device (pass-through, unidirectional or bidirectional)		
Serial control port input/output		
Transmitter	RS-232 via (1) 3.5 mm, 5 pole captive screw connector for RS-232 control (±5 V) (connector is shared with IR control port)	
IR control port	(1) 3.5 mm, captive screw connector, 5 pole (connector is shared with RS-232 control port) TTL level (0 to 5 V) modulated infrared control from 30 kHz up to 60 kHz	
GENERAL		
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts	
Enclosure type	Metal	
Enclosure dimensions		
Transmitter	1.0" H x 4.3" W x 3.0" D (quarter rack wide) (2.5 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors.)	
Receiver	1.0" H x 4.3" W x 6.0" D (quarter rack wide) (2.5 cm H x 10.9 cm W x 15.2 cm D) (Depth excludes connectors.)	
Model	Version Description	Part number
DTP DVI 330 Tx	DVI Transmitter	60-1360-12
DTP DVI 330 Rx	DVI Receiver	60-1360-13

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

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