Specifications

DTP T EU 332

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

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 bit color depth 2048x1080p @ 60 Hz (2K)
Formats	RGB and YCbCr digital video
Standards	DVI 1.0, HDMI, HDCP 1.2, EDID 1.3, CEA-861E

Video input — HDMI

Number/signal type	1 single link HDMI (or DVI-D*) input
Connectors	1 female HDMI type A

Video input — VGA

Number/signal type	1 analog RGBHV
Connectors	1 female 15-pin HD (RGB)
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	0.3 V to 1.45 Vp-p
Impedance	75 ohms
Horizontal frequency	15 kHz to 130 kHz
Vertical frequency	30 Hz to 150 Hz
Return loss	<-30 dB @ 5 MHz
DC offset (max. allowable)	250 mV

Interconnection between transmitter and receiver

Signal type	1 DTP 330 output
Connectors	1 female RJ-45
Termination standards	TIA/EIA T568B
DTP signal	
Signal transmission distance	Up to 330' (100 m) using shielded twisted pair (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: Input and 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

Gain	Unbalanced output: 0 dB; balanced output +6 dB
Frequency response	20 Hz to 20 kHz, ±0.5 dB
THD + Noise	0.03% @ 20 Hz to 20 kHz at maximum output
S/N	>90 dB, at maximum output (15 dBu), balanced (unweighted)
Stereo channel separation	>80 dB @ 1 kHz to 20 kHz

Audio input

Number/signal type

Analog audio (over DTP)	2 stereo, unbalanced

NOTE: Analog audio is not embedded onto the digital video signal.

Digital audio	1 embedded digital audio on DTP
Embedded digital audio source formats	2-ch PCM, PCM, Dolby Digital 2/0, Dolby Digital 2/0 Surround, Dolby Digital 5.1, Dolby Digital EX, DTS Digital Surround 5.1, DTS-ES Matrix 6.1, DTS-ES Discrete 6.1
Connectors	(2) 3.5 mm stereo jack, 2 channel; tip (L); ring (R); sleeve (ground)
Impedance	>10k ohms, DC coupled
Nominal level	-10 dBV (316 mVrms)
Maximum level	+7 dBu, unbalanced

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu.

Audio output

Number/signal type

Analog audio (over DTP)	1 stereo, unbalanced
Digital audio	1 embedded digital audio on DTP
Embedded digital audio source formats	2-ch PCM, PCM, Dolby Digital 2/0, Dolby Digital 2/0 Surround, Dolby Digital 5.1, Dolby Digital EX, DTS Digital Surround 5.1, DTS-ES Matrix 6.1, DTS-ES Discrete 6.1
Connectors	1 female RJ-45 jack

Communications — transmitter

Serial control port	RS-232 via (1) 3.5 mm, 3-pole captive screw connector for RS-232 control (±5 V)
Baud rate and protocol	9600 baud rate, 8 data bits, 1 stop bit, no parity
USB control port	1 side panel female mini USB type B
USB standards	USB 2.0, high speed
Program control	Extron Simple Instruction Set (SIS™)

Communications — external device (pass-through)

Serial control pass-through port	Bidirectional RS-232
Connector	
DTP output	(1) 3.5 mm captive screw connector, 5-pole (shared with IR pass-through port)
Baud rates	300 to 115200 baud
Protocol	Data bits = 5 - 8 Stop bits = 1 or 2 Parity = odd, even, none Flow control = XON, XOFF, none
IR pass-through control port	TTL level (0 to 5 V) modulated infrared control from 30 kHz up to 60 kHz
DTP output	(1) 3.5 mm captive screw connector, 5-pole (shared with IR pass-through port)

NOTE: Protocol is mirrored between the connected DTP 330 endpoints and the "Over TP" ports on the DTP T EU 332. Signals from a control device pass into each "Over TP" port, are embedded with the TP signal and sent to the individual DTP 330 endpoints for control of remote sink or source devices.

General

Power supply	External Input: 100 to 240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Power consumption	
Device	4.4 watts, 12 VDC
Device and power supply	5.7 watts, 100-240 VAC, 50-60 Hz

NOTE: Each transmitter or receiver can be powered either locally by an external power supply or remotely by an receiver or transmitter on the other end of the twisted pair cable.

Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +104 °F (0 to +40 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Thermal dissipation	
Device	14.9 BTU/hr
Device and power supply	19.4 BTU/hr
Mounting	
Furniture or wall mount	Yes, with an EU 2-gang electrical junction box
Enclosure type	Metal
Enclosure dimensions	
Faceplate	3.2" H x 6.0" W x 0.5" D (2-gang) (8.1 cm H x 15.2 cm W x 1.4 cm D)
Device	1.9" H x 4.3" W x 1.4" D (4.9 cm H x 10.9 cm W x 3.5 cm D) (Depth excludes connectors. Fits some EU 2-gang boxes.)
Product weight	0.7 lbs (0.3 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE**, C-tick, FCC Class A**, ICES, VCCI
Environmental	Complies with the appropriate requirements of RoHS, WEEE.

NOTE: **CE and FCC testing is conducted with STP (shielded twisted pair) cable.

Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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