

Specifications

XTP T HDMI

NOTE: The XTP T HDMI transmitter and XTP R HDMI receiver can be used together, with twisted pair cables linking the transmitter and receiver, or with other Extron XTP products.

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

Video

Gain.....	Unity
Resolution range.....	Up to 1920x1200*, 2K, or 1080p (HDTV) * reduced blanking
Signal type.....	Single-link HDMI (or DVI-D*)
Digital video.....	RGB digital video (DVI and HDMI standards) or Y, Cr, Cb digital component video (HDMI), actively buffered (supports all single-link DVI (if using an optional adapter) and HDMI standards from 640x480 @ 60 Hz to 1920x1200 @ 60 Hz)
EDID and DDC	Supports Extended Display Identification Data (EDID) and Display Data Channel (DDC) data using DVI and HDMI standards. EDID and DDC signals are actively buffered.
HDCP.....	Compliant with High-bandwidth Digital Content Protection (HDCP) using DVI and HDMI standards
HPD	Supports hot plug detection (HPD) of display as a pass-through signal.
Maximum data rate.....	6.75 Gbps (2.25 Gbps per color)
Maximum pixel clock.....	165 MHz
Formats	RGB and YCbCr digital video
Standards	DVI 1.0, HDMI, HDCP 1.1

Video input and loop-through

Number/signal type.....	1 single link HDMI (or DVI-D*) input 1 single link HDMI (or DVI-D*) loop-through
Connectors.....	2 female HDMI type A: 1 input, 1 loop-through

Interconnection between transmitter and receiver

Connectors.....	1 female RJ-45 per unit
Termination standards.....	TIA/EIA T568B
Signal transmission distance	330' (100 m) using shielded twisted pair or XTP DTP 24 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.

Audio

Gain.....	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, ± 0.5 dB
THD + Noise	<0.1%, 20 Hz - 20 kHz at nominal level
S/N.....	>90 dB, at maximum balanced output (unweighted)
Crosstalk	≤ -80 dB @ 1 kHz, fully loaded
Stereo channel separation.....	>80 dB @ 1 kHz
Sampling rates.....	32 kHz, 44.1 kHz, 48 kHz, 96 kHz, 192 kHz
Bit depths	16, 20, 24 bit

Audio input

Number/signal type.....	1 analog stereo, balanced/unbalanced or 1 digital audio, de-embedded from HDMI
Connectors.....	(1) 3.5 mm captive screw connector, 5 pole 1 female HDMI type A (shared with video input)
Source formats.....	LPCM up to 7.1/24-bit/192 kHz, Dolby TrueHD, Dolby Digital Plus, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0, DTS-HD Master Audio, DTS-HD, DTS-ES Discrete 6.1, DTS-ES Matrix 6.1, DTS Digital Surround 5.1, DTS 2 Channel
Impedance.....	10k ohms, unbalanced, 20k ohms balanced
Nominal level.....	+4 dBu, -10 dBV configurable
Maximum level.....	+21 dBu balanced, +15 dBu unbalanced
Input gain adjustment.....	-18 dB to +24 dB, 1 dB steps, adjustable

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

Communications – transmitter

USB control ports.....	1 front panel female mini USB B
USB standards.....	USB 2.0, low speed
Program control.....	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

Communications – external device (pass-through, unidirectional or bidirectional)

Serial control port input/output.....	1 set of proprietary signals on a female RJ-45 jack
Serial control port output/input.....	RS-232 (+5 V) via a (1) 3.5 mm, 5 pole captive screw connector (uses 3 poles) (connector is shared with IR control port)
Baud rates.....	Up to 115200 baud
Protocol.....	Data bits = 5 - 8 Stop bits = 1 or 2 Parity = odd, even, none Flow control = XON, XOFF, none
Serial control pin configuration.....	1 = Tx, 2 = Rx, 3 = GND
Ethernet pass-through port.....	1 female RJ-45 connector
Ethernet data rate.....	10/100Base-T, half/full duplex with autodetect
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 40 kHz
IR control pin configuration.....	3 = GND, 4 = IR Tx, 5 = IR Rx

General

Power supply.....	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Power consumption	
Device.....	8.1 watts, 12 VDC
Device and power supply.....	9.6 watts, 12 VDC

NOTE: Each XTP transmitter can be powered either locally by an external power supply or remotely using an optional power injector.

Temperature/humidity.....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling.....	Convection, vents
Thermal dissipation	
Device.....	27.6 BTU/hr
Device and power supply.....	32.6 BTU/hr

Mounting	
Rack mount.....	Yes, with optional 1U high rack shelf
Furniture mount	Yes, with optional under-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	1.0" H x 8.75" W x 6.0" D (half rack wide) (2.5 cm H x 22.2 cm W x 15.2 cm D) (Depth excludes connectors.)
Product weight	1.6 lbs (0.7 kg)
Shipping weight	4 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety.....	CE, c-UL, UL UL rated for use in plenum airspaces: meets UL 2043 for heat and smoke release, excluding the power supply.
EMI/EMC.....	CE**, C-tick, FCC Class A**, ICES, KCC, 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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