

Specifications

XTP T HWP 101 4K

TRUE 4K specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096 x 2160 at 30 Hz	4:4:4	8 bit
3840 x 2160 at 30 Hz		
4096 x 2160 at 60 Hz	4:2:0	
3840 x 2160 at 60 Hz		

Frame rate¹ 24, 25, 30, 50, or 60 fps
 Chroma sampling¹ 4:4:4, 4:2:2, or 4:2:0
 Color bit depth¹ 8 bits per color
 Signal type DisplayPort 1.1, DVI 1.0, HDMI 1.4, HDCP 2.2
 Max. video data rate 10.2 Gbps (3.4 Gbps per color)

NOTE: ¹Subject to the maximum data rate limit. Use our calculator at www.extron.com/4Kdata to determine video parameters supported by this data rate.

NOTE: The XTP T HWP 101 4K transmitter can be used with other XTP products, with twisted pair cables connecting the units.

Video

Gain Unity
 Resolution range Up to 2560x1600 @ 60 Hz*, or
 4K (4096x2160) @ 30 Hz, UHD (3840x2160) @ 30 Hz,
 4K/UHD @ 60 Hz with 4:2:0 chroma subsampling
 * reduced blanking
 Signal type Single-link HDMI (or DVI-D or DisplayPort)
 Maximum data rate 10.2 Gbps (3.4 Gbps per color)
 Maximum pixel clock 300 MHz (600 MHz for 4K rates with 4:2:0 chroma subsampling)
 Formats RGB and YCbCr digital video
 Standards DisplayPort 1.1, DVI 1.0, HDMI 1.4; HDCP 2.2

Video input

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

Shielded twisted pair interconnection

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

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 digital audio, de-embedded from HDMI
Connectors	1 female HDMI type A (shared with video input)
Source formats	LPCM up to 7.1/24-bit/192 kHz, Dolby Atmos™, 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

Communications

USB control ports	1 rear 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™)

General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts
Power consumption	
Device	2.7 watts
Device and power supply	3.6 watts

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

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	9.0 BTU/Hr
Device and power supply	12.0 BTU/Hr
Mounting	
Furniture or wall mount	Wall or furniture mount in a decorator-style opening.
Enclosure type	Metal
Enclosure dimensions	
Faceplate	One (2.6" H* x 1.3" W x 0.3" D [6.6 cm H* x 3.3 cm W x 0.8 cm D])
Device	2.8" H* x 1.7" W x 1.9" D (7.1 cm H* x 4.3 cm W x 4.8 cm D) * Height is 4.1" (10.4 cm) including mounting tabs.
Product weight	0.4 lbs (0.2 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.
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

4018-042017-D4