

Specifications

DTP2 T 202 FB

TRUE 4K Specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
3840 x 2160 at 60 Hz	4:4:4	8 bit
4096 x 2160 at 30 Hz		12 bit
3840 x 2160 at 30 Hz	4:2:0	
4096 x 2160 at 60 Hz		
3840 x 2160 at 60 Hz		

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, or 12 bits per color
Signal type	HDMI 2.0b; HDCP 2.2
Max. video data rate	18 Gbps (6 Gbps per color)

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

Video

HDMI input

Maximum data rate	18 Gbps (6 Gbps per color)
Maximum pixel clock	600 MHz
Resolution range	Up to 2560x1600* @ 60 Hz or UHD (3840x2160) @ 60 Hz *with 4:4:4 chroma subsampling
Color bit depth	8, 10, or 12 bits — subject to the maximum data rate limit
Formats	RGB and YUV digital video
Standards	DVI 1.0; HDMI 1.4, 2.0b; HDCP 1.4, 2.2; CEA-861E

DisplayPort input

Maximum data rate	17.28 Gbps (5.4 Gbps per channel)
Maximum pixel clock	600 MHz
Resolution range	Up to UHD (3840x2160) @ 60 Hz with 4:4:4 chroma subsampling
Color bit depth	8, 10, or 12 bits — subject to the maximum data rate limit
Formats	RGB and YUV digital video
Standard	DisplayPort 1.2

Video input — HDMI

Number/signal type	1 HDMI input (or single-link DVI-D with the appropriate DVI-HDMI adapters)
Connectors	1 female HDMI type A

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Video input – DisplayPort

Number/signal type.....	1 DisplayPort
Connectors.....	1 female 20-pin DisplayPort
Input cable length	Up to 6 feet

Interconnection between transmitter and receiver

Connector.....	1 female RJ-45 per unit
Termination standard.....	TIA/EIA T568B
Transmission distance.....	Up to 330' (100 m) using shielded twisted pair cable or XTP DTP 24 STP 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	0.03% @ 20 Hz to 20 kHz at maximum output
S/N.....	>90 dB, at maximum output (15 dBu), unbalanced (unweighted)
Stereo channel separation.....	>80 dB @ 1 kHz to 20 kHz

Analog audio input

Number/signal type.....	1 analog stereo, unbalanced 2 digital audio, embedded on the HDMI and DP
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 3.5 mm mini stereo jack, 2 channel: tip (L), ring (R), sleeve (ground)
Impedance.....	>10k ohms, DC coupled
Nominal level.....	-10 dBV (316 mVrms)
Maximum level.....	+7dBV (unbalanced)

Control/remote – external device (pass-through, unidirectional or bidirectional)

Serial control port.....	1 RS-232, 3.5 mm captive screw connector, 3-pole, rear panel
Pin configuration.....	Pin 1 = Tx, pin 2 = Rx, pin 3 = GND
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
USB control port	1 female mini USB type B, front panel
USB standards.....	USB 2.0 high speed
Over DTP/HDBT RS-232/IR pass through.....	RS-232: Pin 1 = Tx, Pin 2 = Rx, Pin 3 = GND IR: Pin 4 = Tx, Pin 5 = Rx
Program control.....	Extron Simple Instruction Set (SIS™)

General

Power supply	External Input: 100 to 240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts
Power consumption	
Device	16.8 watts, 12 VDC
Device and power supply	TBD 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 receiver or transmitter on the other end of the twisted pair cable.

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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, vented
Thermal dissipation	
Device	TBD BTU/hr
Device and power supply	TBD BTU/hr
Mounting	
Floor box mount	Ackermann GB3/OBO Betterman floor box, MK Electric CableLink Plus Single Pan floor box, MK Electric CableLink Plus Modular floor box, ElectraPlan floor box, and PUK floor box mountable

NOTE: See the *DTP2 T 202 FB User Guide* for mounting considerations.

Enclosure type	Metal
Enclosure dimensions	2.3" H x 2.8" W x 5.2" D* (5.9 cm H x 7.2 cm W x 13.2 cm D) (Dimensions exclude connectors) *Depth is 6.1" (15.5 cm) including mounting tabs
Product weight	1.13 lbs (515 g)
Regulatory compliance.....	CE, C-tick, C-UL, UL, FCC Class A, ICES, KCC, VCCI
Product warranty	3 years parts and labor
Everlast power supply warranty.....	7 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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

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