

Specifications

DTP3 T 203

TRUE 4K specifications

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096 x 2160 at 60 Hz	4:4:4	8 bit
3840 x 2160 at 60 Hz		
4096 x 2160 at 30 Hz		12 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, 10, or 12 bits per color
 Signal type HDMI 1.x/2.0b, DisplayPort 1.2, HDCP 2.3
 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/8Kdata rate to determine video parameters supported by this data rate.

Video

Maximum data rate 18 Gbps (6 Gbps per color)
 Maximum pixel clock 600 MHz
 Resolution range Up to 1080p @ 120 Hz or 4K @ 60 Hz (4:4:4 chroma subsampling)
 Color bit depth 8, 10, or 12 bits
 Formats RGB and YCbCr digital video
 HDR HDR10, HDR10+, Dolby Vision
 Standards HDMI 2.0b, DisplayPort 1.2 (Alt Mode), DVI 1.0, HDCP 1.x, HDCP 2.3, CTA-861-F

Video input

Number/signal type 2 HDMI, 1 DisplayPort (Alt Mode, 4 HBR2 lanes)
 DisplayPort video 1 DisplayPort Alt mode, DP 1.2 (4 lanes), RBR/1.62 Gbps, HBR2/5.4 Gbps
 Connectors 2 female HDMI, type-A; 1 female USB, type-C
 Input cable length Up to 12' (3.7 m)
 Horizontal frequency range 15 kHz to 270 kHz for resolutions up to 18 Gbps
 Vertical frequency range 24 Hz to 240 Hz for resolutions up to 18 Gbps

NOTE: Extron requires using USB-C cables supporting 4 DisplayPort lanes.

Video Outputs

Number/signal type.....	1 Single link HDMI (or DVI-D*), 1 DTP
Connector.....	1 female HDMI type A, 1 female RJ-45
Output Power for Active Cables	1.25 watts max for HDMI port

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

Interconnection Between Transmitter and Receiver

Connectors.....	1 female RJ-45
Termination standards.....	TIA/EIA T568B
Signal transmission distance (using XTP DTP 24 cable)	
1080p @ 60 Hz	Up to 330' (100 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable
4K/UHD @ 30 Hz	Up to 330' (100 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable Using 1 coupler w/ 3'-9' patch cable Using 2 couplers w/ two 3' patch cables (each patch cable cannot exceed 3') Using two punch downs w/ two 3'-9' patch cables
4K/UHD @ 60 Hz	Up to 175' (53 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable w/ no couplers
Cable requirements	Solid conductor, 24 AWG or better
Cable recommendations.....	400 MHz bandwidth, STP cable
Signal transmission distance (using XTP DTP 22 cable)	
1080p @ 60 Hz	Up to 330' (100 m) using XTP DTP 22 cable
4K/UHD @ 30 Hz	Up to 330' (100 m) using XTP DTP 22 cable
4K/UHD @ 60 Hz	Up to 220' (100 m) using XTP DTP 22 cable Using 1 coupler w/ 3'-16' patch Using 2 couplers w/ two 4' patch cables (each patch cable cannot exceed 4') Using two punch downs w/ two 3'-8' patch cables
Cable requirements	Solid conductor, 22 AWG or better
Cable recommendations.....	500 MHz bandwidth, STP cable

NOTE: Extron XTP DTP 22 shielded twisted pair cable is strongly recommended for optimal performance.

Communications

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 bit, 1 stop bit, no parity
USB control port.....	1 female USB, type C, front panel
USB standards	USB 2.0, low speed
Ethernet data rate	10/100Base-T, half/full duplex, with auto detect
Ethernet protocol	ARP, ICMP (ping), IP, TCP, DHCP, HTTP, SMTP, Telnet, IEEE 802.1X
Program control	Extron control/configuration program for Windows®, Extron Simple Instruction Set™ (SIS™), Telnet
Contact closure/tallyoutput	(2) 3.5 mm captive screw, 4-pole

General

Power supply	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption.....	TBD
Ambient 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	TBD BTU/hr
USB-C power delivery.....	5 VDC @ up to 3 A, 9 VDC @ up to 3 A, 15 VDC @ up to 3 A, 20 VDC @ up to 2.25 A or 20 VDC @ up to 3 A

NOTE: USB-C power delivery reduces to 45W when *DTP3 Send Power* feature is active.

Mounting

Rack mount.....	Yes, with optional 1U high rack shelf
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 8.50" D (1U high, half rack wide) - TBD 44 mm H x 222 mm W x 152 mm D (Depth excludes connectors) TBD
Product weight	TBD lbs (TBD kg)
Regulatory compliance.....	CE, c-UL, UL, CE**, C-tick, FCC Class A**, ICES, VCCI, AS/NZS, RoHS, WEEE
Product warranty	3 years parts and labor
Everlast power supply warranty.....	7 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.
Specifications are subject to change without notice.

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