

Specifications

DTP2 T 204

TRUE 4K specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
3840x2160 at 60 Hz	4:4:4	8 bit
4096x2160 at 30 Hz		
3840x2160 at 30 Hz		
4096x2160 at 60 Hz	4:2:0	
3840x2160 at 60 Hz		
4096x2160 at 60 Hz	4:2:2	12 bit
3840x2160 at 60 Hz		
4096x2160 at 30 Hz		
3840x2160 at 30 Hz		

Frame rate¹ 24, 25, 30, 50, 60, or 120 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 2.0b, HDCP 1.x, 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/8Kdatarate 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..... Up to 1920 x 1200 or 1080p @ 60Hz, 12-bit color
4K (4096x2160) @ 60 Hz (4:4:4 color space, 8 bit color)
UHD (3840 x 2160) @ 60Hz with 4:4:4 color space, 8-bit color)

Formats RGB and YCbCr digital video

Standards..... DVI 1.0, HDMI 2.0b, HDMI 1.4, HDCP 1.4, HDCP 2.3, CEA-861E

NOTE: The DTP2 T 204 switcher supports TMDS data rates up to 18 Gbps, HDR, up to 12-bit Deep Color, 3D**, HD lossless audio formats, and other HDMI specification features.

**Extron strongly recommends compatibility testing while designing and before installing any 3D system. There are several unique 3D formats in use by source devices and display manufacturers. The 3D support in this product is limited to signals operating within 164 MHz pixel clock and requires format and EDID compatibility between source and sink devices. Please contact an Extron Application Engineer for more information.

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Video input

Number/signal type.....	4 single link HDMI (or DVI-D*)
Connectors	4 female HDMI type A
Horizontal frequency	15 KHz to 135 KHz for resolutions up to 18 Gbps
Vertical frequency.....	24 Hz to 120 Hz for resolutions up to 18 Gbps

Video output

Number/signal type.....	1 DTP2 output
DTP2/HDBT signal.....	Up to 330' (100 m) using STP cable or XTP DTP 24 STP cable
Connector.....	1 RJ-45 jack
Cable requirements.....	Solid conductor, 24 AWG or better
Cable recommendations	400 MHz bandwidth, STP

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

Communication

Serial control port.....	1 RS-232, 3.5 mm, 3 pole captive screw connector
Pin configuration.....	1 = Tx, 2 = Rx, 3 = GND
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
USB control port	1 female mini USB B on 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
Program control	Extron control/configuration program for Windows® Extron Simple Instruction Set™ (SIS™) Microsoft® Internet Explorer® Telnet
Contact closure/tally output	(2) 3.5 mm captive screw, 4 pole (C,G,T,+V) (1) 3.5 mm captive screw, 5 pole (C,T,C,T,+V) (1) 3.5 mm captive screw, 4 pole (C,T,C,T) C = contact, G = ground, T = tally, +V = +5 V

General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 2 A, 24 watts
Power consumption	
Device	10.5 watts
Device and power supply	12.8 watts
Remote power budget.....	18 watts

NOTE: The transmitter can be powered by an external power supply or remotely by selected DTP2 receivers 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 +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Thermal dissipation	
Device	31.4 BTU/hr
Device and power supply	39.4 BTU/hr
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Furniture mount	Yes, with optional under-desk mounting kit or through-desk mounting kit
Enclosure type	Metal

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Enclosure dimensions	1.7" H x 8.75" W x 4.5" D (1U high, half rack wide) (43 mm H x 222 mm W x 114 mm D) (Depth excludes connectors.)
Product weight	1.25 lb (0.6 kg)
Regulatory compliance.....	CE, c-UL, UL, PSE, RoHs, and 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.

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