

Specifications

TRUE 4K specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096x2160 at 30 Hz	4:4:4	8 bit
3840x2160 at 30 Hz		
4096x2160 at 60 Hz	4:2:0	
3840x2160 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 bits per color
Signal type	HDMI 1.4, HDCP 1.4
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/8Kdatarate to determine video parameters supported by this data rate.

Video

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)
Resolution.....	Up to 1920 x 1200 or 1080p @ 60 Hz, 12-bit color 4K (4096x2160) @ 30 Hz, UHD (3840x2160) @ 30 Hz 4K/UHD @ 60 Hz with 4:2:0 chroma subsampling
Formats	RGB and YCbCr digital video
Standards	DVI 1.0, HDMI 1.4, HDCP 1.4

NOTE: The DTP T SW4 HD 4K switchers support TMDS data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D**, HD lossless audio, and other HDMI specification features.

NOTE: **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.

Video input

Number/signal type.....	4 single link HDMI (or DVI-D*)
Connectors.....	4 female HDMI type A

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

Video output

Number/signal type.....	1 DTP 330 or HDBT Output
Connectors	1 RJ-45 Jack

Interconnection between transmitter and receiver

Connectors	1 female RJ-45 per unit
Termination standard.....	TIA/EIA T568B
Signal transmission distance	
1080p @ 60 Hz	Up to 330' (100 m) using shielded twisted pair (STP) cable or XTP DTP 24 STP cable
2560x1600 @ 60 Hz.....	Up to 330' (100 m) using shielded twisted pair (STP) cable or XTP DTP 24 STP cable
4K/UHD @ 30 and 60 Hz.....	Up to 330' (100 m) using shielded twisted pair (STP) 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.

Control/remote — Switcher

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
Auto-input switching	(1) 3.5 mm, 2 pole captive screw connector
Pin configuration.....	Pins 1 and 2 of captive screw connector shorted together enable auto-input switching.
Contact closure	(3) 3.5 mm captive screw, 2-pole (shared with Tally output) (2) 3.5 mm captive screw, 4-pole (shared with Tally output)
Tally output	(3) 3.5 mm captive screw, 2-pole (shared with Contact closure) (2) 3.5 mm captive screw, 4-pole (shared with Contact closure)
Tally output power.....	+5 VDC, 0.2 A
IR controller module.....	IR 102 remote control (optional) 30' maximum, 40 degrees off axis
USB control ports	1 front panel female mini USB, type B
USB standards	USB 2.0, low speed
Program control	Extron PCS Software 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	7.7 watts
Device and power supply	8.7 watts
Remote power budget	12 watts
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	26.0 BTU/hr
Device and power supply	29.6 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	1.75" H x 8.75" W x 3.0" D (1U high, half rack wide) (4.4 cm H x 22.2 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight	0.5 lb (0.3 kg)
Regulatory compliance.....	CE, C-Tick, c-UL, UL, FCC Class A, ICES, VCCI, RoHS, WEEE
Product warranty	3 years parts and labor
Everlast power supply warranty.....	7 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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