

Specifications

DTP T EU 4K 331

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 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 HDMI 1.4, HDCP 2.3, 2.0, 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/8Kdata rate to determine video parameters supported by this data rate.

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

Video

Maximum data rate 10.2 Gbps (3.4 Gbps per color)
 Maximum pixel clock 300 MHz
 Resolution range Up to 1920x1200 or 1080p @ 60 Hz; 12-bit color depth, 2K 4K (4096x2160) @ 30 Hz, UHD (3840x2160) @ 30 Hz
 Formats RGB and YCbCr digital video
 Standards DVI 1.0, HDMI 1.4, HDCP 2.2, 1.4, CEA-861E

Video input

Number/signal type 1 single link HDMI (or DVI-D*) input
 Connector 1 female HDMI type A

Interconnection between transmitter and receiver

Signal type 1 digital video, embedded digital audio (HDMI), and remote power
 Connector 1 female RJ-45
 Termination standards TIA/EIA T568B
 Signal transmission distance Up to 330' (100 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable
 Cable requirements Solid conductor, 24 AWG or better
 Cable recommendations 400 MHz bandwidth STP cable

NOTE: Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance.

NOTE: Output mode signaling:
DTP: HDMI with embedded audio and remote power
HDBaseT: HDMI with embedded audio

General

Power supply External
Input: 100 to 240 VAC, 50-60 Hz
Output: 12 VDC, 1.5 A, 18 watts

Power consumption

Device 2.9 watts

Device and power supply 3.8 watts

Remote power budget..... 12 watts

NOTE: The transmitter can be powered either locally by the included external power supply or remotely by a powered receiver 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 +104 °F (0 to +40 °C) / 10% to 90%, noncondensing

Cooling Convection, no vents

Thermal dissipation

Device 9.8 BTU/hr

Device and power supply 12.8 BTU/hr

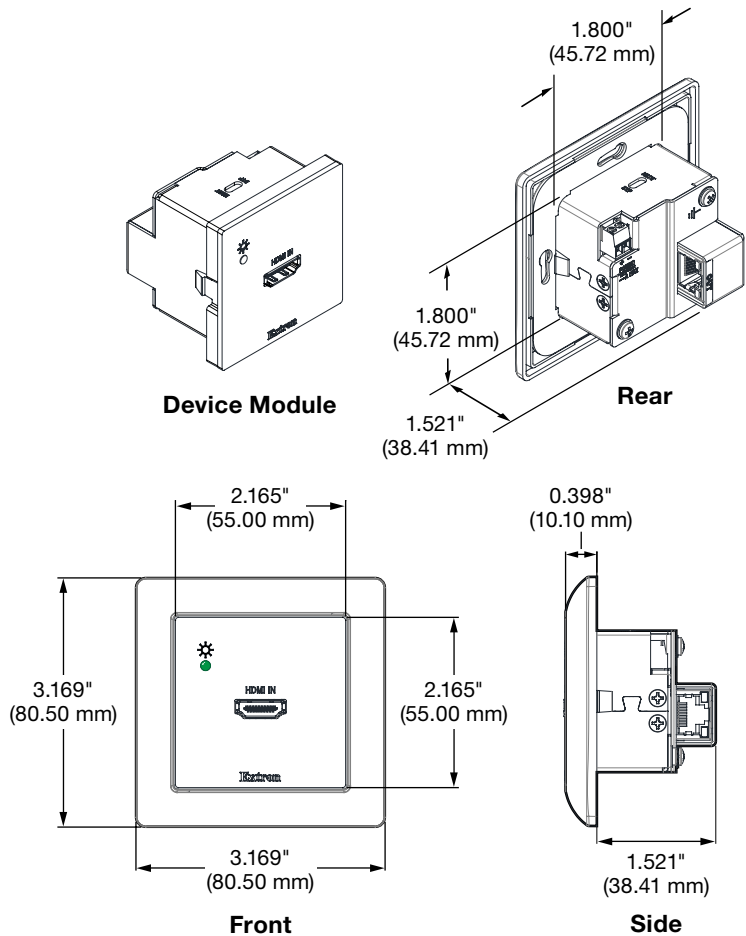
Mounting Mounts to 1-gang enclosures with 60 mm mounting centers.

Enclosure type Metal

Enclosure dimensions

Frame..... 3.17" H x 3.17" W x 0.40" D (1-gang)
(80.5 mm H x 80.5 mm W x 10.1 mm D)

Device module..... 2.17" H x 2.17" W x 1.52" D
(55.0 mm H x 55.0 mm W x 38.4 mm D)
Fits mounting frames that accept 55 mm x 55 mm modules.
(Allow at least 1.9" [47 mm] in the junction box for device plus cable clearance.)



Product weight 0.2 lbs (0.1 kg)
Regulatory compliance..... CE**, c-UL, UL, C-tick, FCC Class A**, ICES, VCCI
Complies with the appropriate requirements of RoHS, WEEE.

NOTE: **CE and FCC testing is conducted with STP (shielded twisted pair) cable.

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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