

Specifications

DTP T MK 4K 231

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	4:2:4	
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 , 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 (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
 1080p @ 60 Hz Up to 230' (70 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable
 4K/UHD @ 30 Hz Up to 130' (40 m) using shielded twisted pair (STP) cable or XTP DTP 24 cable
 Cable requirements Solid conductor, 24 AWG or better

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

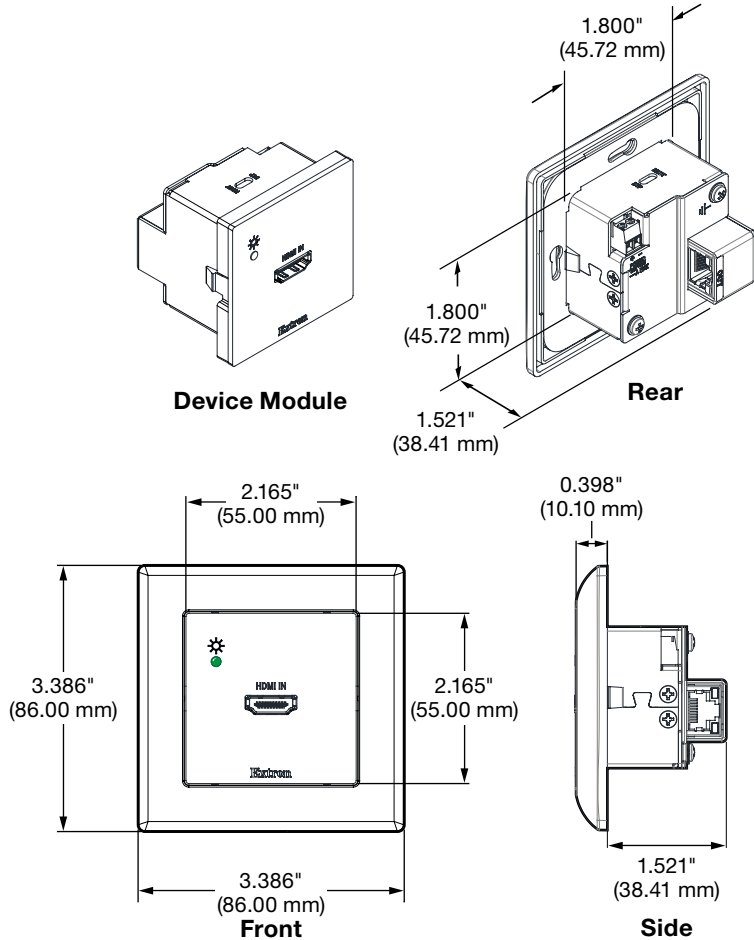
General

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 MK enclosures.
Enclosure type	Metal
Enclosure dimensions	
Frame.....	3.39" H x 3.39" W x 0.40" D (1-gang)
	(86.0 mm H x 86.0 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.)

Specifications • DTP T MK 4K 231 (Continued)



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 ±10%.

NOTE: Specifications are subject to change without notice.

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

5347-D6