

Specifications

DisplayPort Ultra Series

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		

Frame rate¹ 24, 25, 30, 50, or 60 fps
 Chroma sampling¹ 4:4:4, 4:2:2
 Color bit depth¹ 8, 10, or 12 bits per color
 Signal type DisplayPort 1.2, HDCP 1.4, HDCP 2.3
 Max. video data rate 21.6 Gbps (5.4 Gbps per lane)

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.

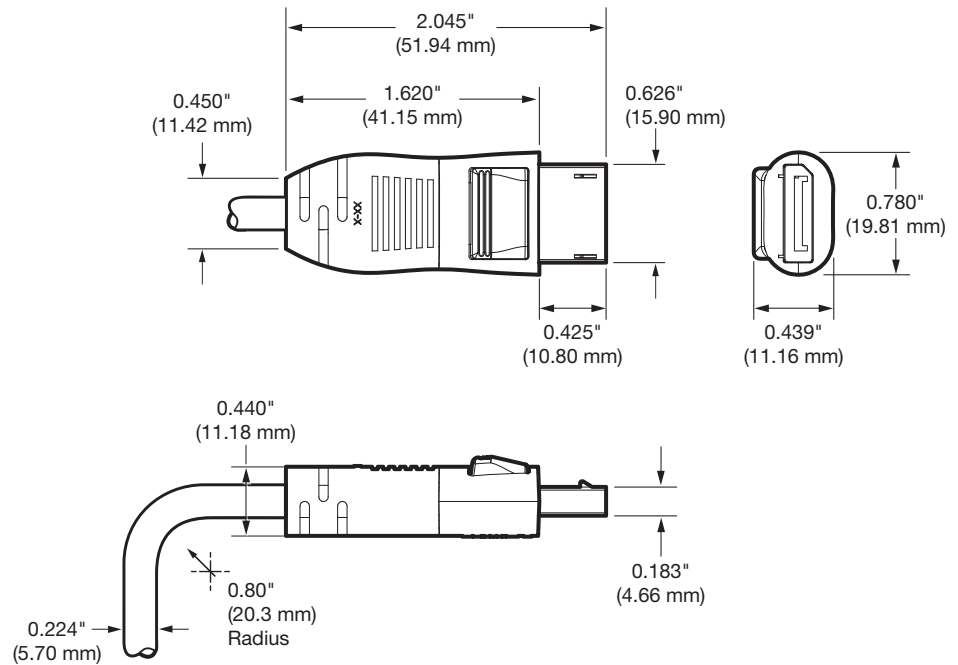
Performance/electrical

Resolution range Up to 4K @ 60 Hz (4096x2160), UHD @ 60 Hz (3840x2160)
 12 bit color depth, max. 21.6 Gbps data rate
 Voltage 40 V
 Pair impedance 100 ohms ±10 ohms
 Attenuation At 100 - 450 MHz: <5 dB per 3 m
 At 0.45 - 1 GHz: ≤7.7 dB per 3 m
 At 1 - 2 GHz: ≤12.6 dB per 3 m
 At 2 - 3 GHz: ≤17.5 dB per 3 m
 At 3 - 4 GHz: ≤22.4 dB per 3 m
 At 4 - 5 GHz: ≤27.3 dB per 3 m
 At 5 - 7 GHz: ≤37.1 dB per 3 m
 FEXT ≥20 dB per 3 m
 Skew
 Intrapair ≤50 ps per 3 m
 Interpair ≤4 ns per 3 m

General — physical characteristics

Connector type 1 male DisplayPort to 1 male DisplayPort
 Contacts Gold plated
 Material Conductors: tinned copper, 30 AWG
 Drain wire: tinned copper, 32 AWG
 Shielding: fluorocopolymer tape binder, tinned copper braid
 Jacket: PVC
 Connector dimensions 2.05" L x 0.63" W x 0.44" thick
 (51.9 mm L x 15.9 mm W x 11.2 mm thick)

DisplayPort Ultra Series 1' (30 cm) - 12' (3.7 m) Lengths



Cable dimensions

Cable outer diameter	0.22" (5.7 mm)
Bend radius	0.80" (20.3 mm)

NOTE: Dimensions given above exclude the cable length.

Regulatory compliance	UL VW-1, CSA FT-1
Temperature rating	80 °C
Warranty	Limited Lifetime Performance

NOTE: Specifications are subject to change without notice.

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

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