

Specifications

USBC-HD

USBC-HDM/6

TRUE 4K specification

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		

Frame rate¹ 24, 25, 30, 50, or 60 fps
 Chroma sampling¹ 4:4:4
 Color bit depth¹ 8 bits per color
 Signal Type Up to HDMI 2.0 and HDCP 2.3
 Max. video data rate 18 Gbps

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

Resolution range Up to 4K @ 60 Hz (4096x2160), UHD @ 60 Hz (3840x2160)
 Color space 4:4:4
 Color bit depth 8 bits per color
 Standards Up to HDMI 2.0 and HDCP 2.3
 Format RGB and YCbCr digital video

Mechanical

Cable outer diameter 0.24" (6.1 mm)
 Bend radius 0.87" (22 mm)

General – physical characteristics

Connectors 1 USB-C Male to 1 HDMI Male
 Contacts Gold plated
 Material Conductors: 28 AWG Tinned Copper Wires
 Jacket: PVC – Polyvinyl Chloride
 Connector dimensions
 USB-C male 2.24" L x 0.83" W x 0.30" thick
 (57 mm L x 21 mm W x 7.6 mm thick)
 HDMI male 1.94" L x 0.78" W x 0.45" thick
 (49 mm L x 20 mm W x 11 mm thick)

General

Regulatory compliance CE, RoHS, UL-CMX, WEEE
 Warranty Limited Lifetime Performance

USBC-HDF4K60/0.5

TRUE 4K specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096x2160 at 60 Hz	4:2:0	12 bit
3840x2160 at 60 Hz		
4096x2160 at 30 Hz	4:4:4	10 bit
3840x2160 at 30 Hz		
4096x2160 at 60 Hz		8 bit
3840x2160 at 60 Hz		
4096x2160 at 60 Hz	4:2:2	
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, 10, and 12 bits per color
 Signal Type Up to HDMI 2.0 and HDCP 2.3
 Max. video data rate 18 Gbps (6 Gbps per channel)

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

Resolution range Up to 4K @ 60 Hz (4096X2160), UHD @ 60 Hz (3840x2160)
 Color space 4:4:4, 4:2:2, or 4:2:0
 Color bit depth 8, 10, and 12 bits per color
 Standards Up to HDMI 2.0 and HDCP 2.3
 Format RGB and YCbCr digital video

Mechanical

Cable outer diameter 0.20" (5.1 mm)
 Bend radius 0.73" (19 mm)

General — physical characteristics

Connectors 1 USB-C Male to 1 HDMI Female
 Contacts Gold plated
 Material Conductors: 30 AWG Tinned Copper Wires
 Jacket: PVC – Polyvinyl Chloride, UltraFlex
 Connector dimensions
 USB-C male 1.84" L x 0.49" W x 0.30" Thick
 (47 mm L x 12 mm W x 7.6 mm Thick)
 HDMI female 2.12" L x 1.09" W x 0.42" Thick
 (54 mm L x 28 mm W x 11 mm Thick)

General

Regulatory compliance CE, RoHS, UL-CMX, WEEE
 Warranty Limited Lifetime Performance

USBC-HDF/0.5

TRUE 4K specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096 x 2160 at 30 Hz	4:4:4	8 bit
3840 x 2160 at 30 Hz		

Frame rate¹ 24, 25, or 30 fps
 Chroma sampling¹ 4:4:4
 Color bit depth¹ 8 bits per color
 Signal Type Up to HDMI 1.4b and HDCP 1.4
 Max. video data rate 10.2 Gbps

NOTE: ¹Subject to the maximum data rate limit. Use our calculator at www.extron.com/8Kdata to determine video parameters supported by this data rate.

Video

Resolution range Up to 4K @ 30 Hz (4096X2160), UHD @ 30 Hz (3840x2160)
 Color space 4:4:4
 Color bit depth 8 bits per color
 Standards Up to HDMI 1.4b and HDCP 1.4
 Format RGB and YCbCr digital video

Mechanical

Cable outer diameter 0.17" (4.2 mm)
 Bend radius 1.70" (43 mm)

General — physical characteristics

Connectors 1 USB-C Male to 1 HDMI Female
 Contacts Gold plated
 Material Conductors: 34 AWG Tinned Copper Wires
 Jacket: PVC – Polyvinyl Chloride
 Connector dimensions
 USB-C male 1.44" L x 0.47" W x 0.24" Thick
 (37 mm L x 12 mm W x 6.1 mm Thick)
 HDMI female 2.59" L x 1.69" W x 0.58" Thick
 (66 mm L x 43 mm W x 15 mm Thick)

General

Regulatory compliance CE, RoHS, UL-CMX, WEEE
 Warranty Limited Lifetime Performance

NOTE: Specifications are subject to change without notice.

NOTE: All nominal levels are at $\pm 10\%$.

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

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