

Specifications

HD 4K 110

TRUE 4K specifications

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		
4096 x 2160 at 60 Hz	4:2:0	
3840 x 2160 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 2.2
 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/4Kdatarate to determine video parameters supported by this data rate.

NOTE: *Appropriate DVI-D to HDMI 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 4096x2160 @ 30 Hz and 2560x1600 @ 60 Hz
 1920x1200, 1080p @ 60 Hz, 12 bit color
 3840x2160 (UHD) and 4096x2160 (4K) @ 30 Hz
 3840x2160 and 4096x2160 @ 60 Hz 4:2:0
 Formats RGB and YCbCr digital video
 Standards DVI 1.0, HDMI 1.4
 Impedance 100 Ohms
 Input video signal 1.2 Volts p-p (TMDS)
 Input DDC signal 5 Volts p-p (TTL)

Video input

Number/signal type 1 single link HDMI (or DVI-D*)
 Connector 1 female HDMI type A
 Input cable length 12 ft (5 m)

Video output

Number/signal type 1 single link HDMI (or DVI-D*)
 Connector 1 female HDMI type A
 Output cable length 3840x2160 @ 30 and 4096x2160 @ 30: 25 ft (8 m)
 1080p, 1080i, 1920x1200, 1600x1200: 75 ft (23 m)
 1080i @ 30, 720p @ 60, 1280x1024 @ 60: 100 ft (30 m)
 1024x768 @ 60: 125 ft (38 m)

General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Power consumption	
Device	1.3 watts
Device and power supply	1.9 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	3.1 BTU/hr
Device and power supply	5.3 BTU/hr
Mounting	
Furniture or wall mount	
HD 4K 110 AAP.....	Yes, with optional AAP mounting faceplates
HD 4K 110 D.....	Yes, in a standard 1 gang US electrical wall box or included mud ring
Enclosure type	Metal
Enclosure dimensions	
HD 4K 110 AAP	1.4" H x 3.5" W x 2.0" D (3.5 cm H x 8.9 cm W x 5.1 cm D)
HD 4K 110 D.....	2.8" H x 1.7" W x 2.1" D (7.2 cm H x 4.4 cm W x 5.3 cm D)
Product weight	
HD 4K 110 AAP	0.5 lbs (0.2 kg)
HD 4K 110 D.....	0.5 lbs (0.2 kg)
Shipping weight	
HD 4K 110 AAP	1 lbs (1 kg)
HD 4K 110 D.....	1 lbs (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety.....	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
Environmental	Complies with the appropriate requirements of RoHS, WEEE
Warranty	3 years parts and labor

NOTE: Specifications are subject to change without notice.

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