

# Specifications

## UHD4K 101

### 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		
4096 x 2160 at 60 Hz	4:2:0	
3840 x 2160 at 60 Hz		

Frame rate<sup>1</sup> ..... 24, 25, 30, 50, or 60 fps  
 Chroma sampling<sup>1</sup> ..... 4:4:4, 4:2:2, or 4:2:0  
 Color bit depth<sup>1</sup> ..... 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:** <sup>1</sup>Subject to the maximum data rate limit. Use our calculator (<http://www.extron.com/product/videtools.aspx>) to determine video parameters supported by this data rate.

### 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  
 or 3840x2160 @ 60 Hz (4:2:0)(UHD), 4096x2160 @ 30 Hz (4K)  
 Formats ..... RGB and YCbCr digital video  
 Standards ..... DVI 1.0, HDMI  
 Impedance ..... 100 ohms  
 Input video signal ..... 1.2 Vp-p (TMDS)  
 Input DDC signal ..... 5 Vp-p (TTL)

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

### Video input

Number/signal type ..... 1 single link HDMI (or DVI-D\*)  
 Connectors ..... 1 female HDMI type A  
 Input cable length  
     3840x2160 @ 60 Hz (4:2:0) and 4096x2160 @ 30 Hz  
     50' (15 m)  
     1080p, 1080i, 1920x1200, 1600x1200, 1280x1024 @ 60 Hz  
     100' (30m)  
     720p @ 60 Hz ..... 150' (45 m)  
     1024x768 @ 60 Hz ..... 125' (38 m)

**NOTE:** The transmission distance varies greatly depending on the signal resolution and on the type of cable, source, and display used in the system.

## Video output

Number/signal type.....	1 single link HDMI (or DVI-D*)
Connectors.....	1 female HDMI type A
Output cable length .....	Up to 15' (5 m)

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

## General

Power supply .....	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Power consumption	
Device .....	1.4 watts
Device and power supply .....	2.0 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 .....	3.4 BTU/hr
Device and power supply .....	5.5 BTU/hr
Mounting .....	Yes, with optional mounting brackets
Enclosure type .....	Metal
Enclosure dimensions .....	1.0" H x 2.2" W x 3.0" D (1/8 rack wide) (2.5 cm H x 5.6 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight .....	0.1 lbs (<0.1 kg)
Shipping weight .....	1 lb (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:** All nominal levels are at  $\pm 10\%$ .

**NOTE:** Specifications are subject to change without notice.

8.1-012216-D3