

Specifications

HD 4K 101 Plus

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		
4096 x 2160 at 30 Hz		12 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, 10, or 12 bits per color
 Signal type HDMI 2.0b, HDCP 1.4 and 2.2
 Max. video data rate 18.0 Gbps (6.0 Gbps per color)

NOTE: ¹Subject to the maximum data rate limit. Use our [calculator](#) to determine video parameters supported by this data rate.

Video

Maximum data rate 18 Gbps (6.0 Gbps per color)
 Maximum pixel clock 600 MHz
 Resolution range Up to 4096x2160 @ 60 Hz (4K),
 3840x2160 @ 60 Hz (UHD), 1920x1200
 or 1080p @ 60 Hz
 Formats RGB and YCbCr digital video
 Standards DVI 1.0, HDMI 2.0b, HDCP 1.4 and 2.2
 Impedance 100 ohms
 Input video signal 1.2 Vp-p (TMDS)
 Input DDC signal 5 Vp-p (TTL)

Video input

Number/signal type 1 single link HDMI (DVI*)
 Connectors 1 female HDMI type A

Input cable length	
4096x2160 @ 60 Hz.....	35' (10 m)
3840x2160 @60 Hz.....	50' (15 m)
4K/UHD @ 30 Hz	75' (23 m)
1080p, 1920x1080, or 1920x1200 @ 60 Hz.....	125' (38 m)
1080p, 1920x1080 @ 24/30 Hz	150' (46 m)
1080i, 720p, 1280x1024, 1024x768 @ 60 Hz.....	150' (46 m)
720p @30 Hz	175' (53 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.

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

Video output

Number/link type.....	1 single link HDMI (or DVI*)
Connectors.....	1 female HDMI type A
Output cable length	Up to 12' (3.6 m)

General

Power supply	External (optional); product can be powered by source via pin 18 Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Power consumption	
Device	0.8 W
Device and power supply	1.4 W
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	1.6 BTU/HR
Device and power supply	3.4 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)
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 ±10%.

NOTE: Specifications are subject to change without notice.

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