

Specifications

UCS 303

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
 Signal type HDMI 1.x, HDMI 2.0b, DisplayPort 1.2, HDCP 2.3
 Max. video data rate 18 Gbps (6 Gbps per color)

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

Video

Maximum data rate 18 Gbps (6 Gbps per color)
 Maximum pixel clock 600 MHz
 Resolution range Up to 1080p @ 120 Hz or 4K @ 60 Hz (4:4:4 chroma subsampling)
 Color bit depth 8, 10, or 12
 Formats RGB and YCbCr digital video
 HDR HDR 10, HDR 10+, Dolby Vision
 Standards HDMI 2.0b, DisplayPort 1.2 (Alt Mode), DVI 1.0, HDCP 1.x, HDCP 2.3, CTA-861-F

Video input

Number/signal type 1 HDMI (or single link DVI-D with appropriate DVI-HDMI adapters)
 2 DisplayPort (USB-C Alt Mode up to 4 HBR2 lanes)
 Connectors 1 female HDMI type A
 1 DisplayPort
 1 female USB type C
 Input cable length Up to 12' (3.7 m)
 Horizontal frequency range 15 kHz to 270 kHz for resolution up to 18 Gbps
 Vertical frequency range 24 kHz to 240 Hz for resolution up to 18 Gbps

Specification • UCS 303 (Continued)

Video output

Number/signal type.....	1 HDMI (or single link DVI-D with appropriate DVI-HDMI adapters)
Connector.....	1 female HDMI, type A
Output power for active cables	1.25 watts max for HDMI port

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

USB

USB host support	xHCI (USB 3.2), EHCI (USB 2.0), OHCI/UHCI (USB 1.1)
USB data rates	Low speed (1.5Mbps), full speed (12 Mbps), high speed (480 Mbps), Superspeed (5 Gbps), SuperSpeed+ (10 Gbps)

NOTE: This product supports the four types of data transfer defined by USB: bulk, control, interrupt, and isochronous transfers.

USB host ports

Number/signal type.....	3 USB
Connectors	2 female USB type B, 1 female USB type C

USB device ports

Number/signal type.....	(1) 2-port USB 3.2 hub, (1) 3-port USB 2.0/1.x hub
Connectors	2 USB 3.2 type A, 3 USB 2.0/1.x type A
Maximum built-in hubs.....	1
Minimum built-in hubs.....	1
Available USB power.....	USB-A 3.2: 900 mA per port USB-A 2.0: 500 mA per port

Communications — unit

USB control port	1 female USB-C on front panel
Control standards.....	IP over USB (RNDIS)
USB standards	USB 2.0, low speed
Ethernet control port	
Ethernet data rate.....	10/100Base-T, half/full duplex with auto detect
Ethernet protocol.....	ARP, ICMP (ping), IP, TCP, DHCP, HTTP, Telnet
Program control	Extron Product Control Software (PCS) Extron Simple Instruction Set (SIS™)
Contact/tally ports	5 sets (2 pins each) of contact and tally ports 1 set (1 pin each) of +V and G Tally output power +5 VDC, 0.2 A

Communications — display control

Serial control port.....	(1) 3.5 mm 3 pole captive screw connector
Baud rate and protocol (RS-232) ...	9600 (default), 19200, 38400, 57600, or 115,200 baud 8 (default) or 7 data bits 1 stop bit No parity (default), or even or odd parity

General

Power supply	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption.....	TBD 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, TBD
Thermal dissipation	TBD BTU/hr

Specification • UCS 303 (Continued)

USB-C power delivery	5 VDC @ up to 3 A, 9 VDC @ up to 3 A, 15 VDC @ up to 3 A, 20 VDC @ up to 3 A
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 6.0" D (1U high, half rack wide) (44 mm H x 222 mm W x 152 mm D) (Depth excludes connectors.)
Product weight	2.0 lbs (0.9 kg)
Regulatory compliance.....	CE, c-UL, UL, FCC Class A, ICES, VCCI
Product warranty	3 years parts and labor
Everlast power supply warranty.....	7 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.

6003-D2