

Extron

Specifications

UCS SW 313

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 or 4:2:0
 Color bit depth¹ 8, 10, or 12 bits per color
 Signal type HDMI 2.0b, 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/8Kdata 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 bits
 Formats RGB and YCbCr digital video
 HDR HDR 10, HDR 10+, Dolby Vision
 Standards HDMI 2.0b, DVI 1.0, HDCP 1.x, HDCP 2.3, CTA-861-F

Video input

Number/signal type 2 HDMI 2.0 (or single link DVI-D with appropriate DVI-HDMI adapters)
 1 DisplayPort 1.2 USB-C Alt Mode (2 or 4 lanes) RBR/1.62 Gbps, HBR/2.7 Gbps,
 HBR2/5.4 Gbps
 Connectors 2 female HDMI type A
 1 female USB type C
 Horizontal frequency range 15 kHz to 270 kHz for resolutions up to 18 Gbps
 Vertical frequency range 24 Hz to 240 Hz for resolutions up to 18 Gbps

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 25 watts max for HDMI port

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

Specification • UCS SW 313 (Continued)

USB

USB host support.....	xHCI (USB 3.2), EHCI (USB 2.0), OHCI/UHCI (USB 1.1)
USB data rates.....	Low speed (1.5.Mbps), full speed (12 Mbps), high speed (480 Mbps), SuperSpeed (5 Gbps), SuperSpeed+ (10 Gbps)
Data transfer types.....	Bulk, control, interrupt, and isochronous

USB host ports

Number/signal type.....	3 USB
Connectors.....	2 female USB 3.2 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
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	98.2 watts
Ambient 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, rear vents
Thermal dissipation	87.1 BTU/hr
USB-C power delivery	Up to 60 watts power delivery at the following power profiles: 5 VDC @ up to 3 A 9 VDC @ up to 3 A 12 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)

Specification • UCS SW 313 (Continued)

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 $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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

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