

Specifications

SSP 200

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		10 bit
3840 x 2160 at 30 Hz		
4096 x 2160 at 60 Hz	4:2:0	8 bit
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 or 10 bits per color
 Signal type DVI 1.0, HDMI 1.4 and 2.0, HDCP 1.4 and 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 input and loop through

Number/signal type 1 HDMI/DVI (HDCP compliant), input
 1 HDMI/DVI (HDCP compliant), loop through
 Connectors 2 female HDMI type A: 1 for input, 1 for loop through
 Resolution range Up to 4K (4096x2160 at 60 Hz)
 Input cable equalization Automatic
 Input cable length 1 HDMI/DVI (HDCP compliant) color bits:
 HDMI Ultra/DisplayPort Ultra - Up to 12 feet (3.6 meters)
 HDMI Pro - 25 feet (7.6 meters)
 Output cable length At 4096x2160 @ 60 Hz, 4:4:4, 8 color bits
 HDMI Ultra - Up to 9 feet (2.7 meters)
 HDMI Pro - Up to 25 feet (7.6 meters)

NOTE: Lower resolutions may support longer transmission distances. Transmission distance varies depending on the signal resolution, type of cable, and equalization capabilities of the display in the system.

Standards DVI 1.0, HDMI 1.4 and 2.0, HDCP 1.4 and 2.3

Audio

Gain.....	Unbalanced output: -6 dB; balanced output: 0 dB, when volume is set to 100%
Frequency response	20 Hz to 20 kHz, ± 0.2 dB
Subwoofer frequency response.....	4 Hz to 250 Hz, ± 3 dB
THD + Noise	<0.03% @ 1 kHz, at maximum output level
S/N	>100 dB, 20 Hz to 20 kHz, unweighted
Stereo channel separation.....	Analog input only: >90 dB @ 1 kHz
CMRR.....	Analog input only: >75 dB (typical) @ 1 kHz
Volume control	-100 dB to 0 dB
Bass management crossover frequencies	40 Hz to 250 Hz

Audio input — digital

Number/signal type.....	1 HDMI, 3 S/PDIF (1 coaxial, 2 optical)
Source formats	LPCM up to 7.1/24-bit/192 kHz (HDMI), LPCM up to 2.0/24-bit/96 kHz (S/PDIF), Dolby Digital 2/0, Dolby Digital 2/0 Surround, Dolby Digital 5.1, Dolby Digital Surround EX, Dolby Digital Plus, Dolby True HD, Dolby Atmos; DTS 2-channel, DTS Digital Surround, DTS-ES Matrix 6.1, DTS-ES Discrete 6.1, DTS 96/24, DTS 96/24 ES Matrix 6.1, DTS Master Audio, DTS Express, DTS:X
Listening modes	Auto, Stereo, Stereo to all, Mono, Mono to all, Dolby Surround Upmixer, DTS Neural:X Upmixer
Connectors.....	1 HDMI connector 1 RCA connector 2 TOSLINK™ fiber optic connectors

Audio input — analog

Number/signal type.....	1 analog stereo/mono, balanced/unbalanced
Listening modes	Auto, Stereo, Stereo to all, Mono, Mono to all, Dolby Surround Upmixer, DTS Neural:X Upmixer
Connector.....	(1) 3.5 mm captive screw connector, 6 pole
Impedance.....	>10k ohms balanced/unbalanced, DC coupled
Nominal level.....	+4 dBu (1.23 Vrms) balanced or -10 dBV (316 mVrms) unbalanced
Maximum level	+21 dBu (balanced/unbalanced)
Input gain adjustment.....	-18 dB to +24 dB (default = 0 dB), adjustable via RS-232 or front panel

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV $\approx$ 2 dBu

Audio output

Number/signal type.....	10 balanced/unbalanced, for left and right front, left and right surround, center, and subwoofer output, plus four assignable outputs for left and right back, front and back height pairs, and downmix
Connectors	(5) 3.5 mm captive screw connectors, 6 pole
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Gain error.....	± 0.2 dB channel to channel
Maximum level (Hi-Z).....	>+21 dBu balanced or >+15 dBu unbalanced at 0.03% THD+N
Output level range per channel.....	-24 dB to 0 dB
D/A conversion	24 bit, 96 kHz

Control/remote — audio processor

Serial host control port.....	1 bidirectional RS-232 rear panel 3.5 mm captive screw connector, 3 pole
Baud rate and protocol.....	9600, 19200, 38400 (default), 115200 baud (adjustable); 8 data bits, 1 stop bit, no parity
Serial control pin configuration	1 = Tx, 2 = Rx, 3 = GND
Program control	Extron Product Configuration Software (PCS) program for Windows® Extron Simple Instruction Set™ (SIS™)
USB configuration port.....	1 front panel USB mini-B
USB standards	USB 2.0, low speed
Ethernet host port.....	1 RJ-45 female
Data rate	10/100/1000Base-T, half/full duplex with autodetect
Protocol.....	ARP, DHCP, HTTPS, ICMP, IEEE 802.1X, IP, SSH, TCP, Telnet

General

Power	100 VAC to 240 VAC, 50-60 Hz, 12 watts, internal
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, vents
Mounting	
Rack mount.....	Yes, with optional rack shelf
Furniture mount.....	Yes, with optional under-desk or through-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.75" W x 8.5" D (1U high, half rack wide) (43 mm H x 222 mm W x 216 mm D) (Depth excludes connectors and knob.)
Product weight	TBD
Regulatory compliance.....	CE, c-UL, UL, C-tick, FCC Class B, ICES, VCCI Complies with the appropriate requirements of RoHS and WEEE.
Product warranty	3 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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