Specifications

XTP SR HD 4K

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		

Signal type...... DisplayPort 1.1, DVI 1.0, HDMI 1.4, HDCP 2.2

NOTE: ¹Subject to the maximum data rate limit. Use our calculator at **www.extron.com/4Kdatarate** to determine video parameters supported by this data rate.

NOTE: The XTP SR HD 4K receiver can be used with other XTP products, with twisted pair cables connecting the units.

Video

Shielded twisted pair interconnection

Termination standards...... TIA/EIA T568B

Signal transmission distance........ 330' (100 m) using shielded twisted pair or XTP DTP 24 cable

Cable requirements Solid conductor, 24 AWG or better

Cable recommendations......... 400 MHz bandwidth, STP (Shielded Twisted Pair)

NOTE: Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance.

Video processing

Video output

1360x768⁸, 1366x768⁸, 1400x1050⁸, 1440x900⁸, 1600x900⁸, 1600x1200⁸, 1680x1050⁸, 1920x1200⁸, 2048x1200⁸, 2048x1536⁸, 2560x1080⁸, 2560x1440⁸,

2560x16008, bypass*

HDTV: 480p^{7,8}, 576p⁶, 720p^{3,4,5,6,7,8}, 1080j^{6,7,8}, 1080p^{1,2,3,4,5,6,7,8},

 $1920x2160^{1,2,3,4,5,6,7,8},\ 2048x1080^{1,2,3,4,5,6,7,8},\ 2048x2160^{1,2,3,4,5,6,7,8},\ 3840x2160^{1,2,3,4,5,6,7,8},\ 3840$

bypass*

 1 = 23.98 Hz, 2 = 24 Hz, 3 = 25 Hz, 4 = 29.97 Hz, 5 = 30 Hz, 6 = 50 Hz,

 7 = 59.94 Hz, 8 = 60 Hz.

NOTE: * When the output resolution is set to "bypass," the input signal is output without being scaled.

Audio

Frequency response 20 Hz to 20 kHz, ±0.05 dB

Crosstalk ≤-80 dB @ 1 kHz, fully loaded

Stereo channel separation...... >80 dB @ 1 kHz

Audio output

Number/signal type...... 1 analog stereo (2-channel), balanced/unbalanced

1 digital audio, embedded with HDMI output

1 digital audio via S/PDIF output connector

Connectors......(1) 3.5 mm captive screw connector, 5 pole

1 female HDMI type A (shared with video output)

1 female RCA jack (tip, ring)

Supported formats

HDMI...... LPCM up to 7.1/24-bit/192 kHz, Dolby® Atmos, Dolby TrueHD, Dolby Digital

Plus™, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround,

Dolby Digital 2/0, DTS-HD Master Audio, DTS-HD, DTS-ES Discrete 6.1, DTS-ES

Matrix 6.1, DTS Digital Surround 5.1, DTS 2 Channel

S/PDIF...... LPCM up to 7.1/24-bit/192 kHz, Dolby® Digital EX, Dolby Digital 5.1, Dolby Digital

2/0 Surround, Dolby Digital 2/0, DTS-ES Discrete 6.1, DTS-ES Matrix 6.1, DTS

Digital Surround 5.1, DTS 2 Channel

Analog..... Analog stereo audio

Impedance

Analog...... 50 ohms unbalanced, 100 ohms balanced

Maximum level (Hi-Z).....>+12 dBV balanced; +6 dBV unbalanced

Gain error..... ±0.5 dB channel to channel

Volume control range -100 dB to 0 dB (control 0 to 100 in 1 dB steps)

NOTE: Attenuation = volume number minus 64. The default is 0 dB = volume number 64.

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

Communications – receiver

Serial control pin configuration 1 = Tx, 2 = Rx, 3 = Gnd

USB standards USB 2.0, low speed

Program control..... Extron control/configuration program for Windows®

Extron Simple Instruction Set (SIS™)

Communications — external device (pass-through, unidirectional or bidirectional)

Serial control port input/output...... 1 set of proprietary signals on a female RJ-45 jack

Serial control port output/input...... RS-232 (+5) via (1) 3.5 mm, 5-pole captive screw connector (uses 3 poles)

(connector is shared with IR control port)

Baud rates...... Up to 115200 baud

Stop bits = 1 or 2

Parity = odd, even, none Flow control = XON, XOFF, none

Serial control pin configuration 1 = Tx, 2 = Rx, 3 = Gnd

control port)

TTL level (0 to 5 V) modulated infrared control from 30 kHz up to 56 kHz

IR control pin configuration 3 = Gnd, 4 = IR Tx, 5 = IR Rx

Relay number/type...... 2 normally open relays

Relay control contact rating...... 24 V, 1 A

General

Power supply..... External

Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts

Power consumption

NOTE: Each XTP receiver can be powered either locally by an external power supply or remotely using an optional power injector or XTP CrossPoint matrix switcher.

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 on sides and top

Thermal dissipation

Mounting

Furniture mount Yes, with optional under-desk mounting kit

Enclosure type Metal

(2.5 cm H x 22.1 cm W x 15.2 cm D)

(Depth excludes connectors.)

Product weight 1.6 lbs (0.7 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.

NOTE: **CE and FCC testing is conducted with STP (shielded twisted pair) cable.

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.

3839-120216-D2