

TRUE 4K specifications

Frame rate ¹	24, 25, 30, 50, or 60 fps
Chroma sampling ¹	4:4:4, 4:2:2, or 4:2:0
Color bit depth ¹	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)
Maximum pixel clock	600 MHz

NOTE: The specifications above apply only to pass-through mode.

ShareLink™ Pro.....	ShareLink Pro for Windows® ShareLink Pro for macOS®
Operating systems	Windows 10 and later Apple® macOS 12.0 and later
Supported formats	

Video file formats	264, AVI, M2T, M2TS, M4V, MKV, MOV, MP4, MPG, SDP, TS
Image file formats	BMP, JPG, PNG, TIFF

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Video codecs ..... VP8
Audio codecs ..... OPUS
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Specifications • ShareLink Pro 2500 (Continued)

ConferenceShare™	ShareLink Pro ConferenceShare™ for Windows® ShareLink Pro ConferenceShare™ for macOS®
Operating systems	Windows 10 and later Apple macOS 12.0 and later
Supported codecs	

NOTE: The following codecs apply only to the Mirror Screen feature.

Video codecs	VP8
Audio codecs	OPUS

Mobile apps and features

Software.....	ShareLink Pro for Android™ ShareLink Pro for iOS
Operating systems	Android 13.0 and later Apple® iOS 15.0 and later
Supported formats	

NOTE: The following formats apply only to the Share Image or Video feature. These formats may include video and audio codecs that are not supported.

Video file formats	264, AVI, M2T, M2TS, M4V, MKV, MOV, MP4, MPG, SDP, TS
Image file formats	BMP, JPG, PNG, TIFF

Supported codecs

NOTE: The following codecs apply only to the Share Image or Video feature.

Video codecs	Android and iOS: MPEG-2, MPEG4/XviD (Simple Profile), H.264 (Baseline, Main, High, Stereo SEI Profile), VC1 (Simple, Main, Advanced Profile), WEBM VP8, MJPEG Android (Mirror Screen feature only): VP8
Audio codecs	Android and iOS: AAC-LC (MPEG-2 part 7, MPEG-4 part 3, sub part 4 and part 14, MP4 mono or stereo audio, max 384 kbps) PCM mono or stereo 16 kHz to 96 kHz, 16-bit to 32-bit Android (Mirror Screen feature only): OPUS
Image codecs	BMP, JPG, PNG, TIFF

Native Screen Mirroring

Apple screen mirroring	
Operating systems	Apple iOS 15.0 and later, Apple macOS® 12.0 and later
Miracast	
Operating systems	Windows 10 version 1903 or later (Extron WFA 100 required)

WebShare

Default Web Page	
Operating systems	Windows 10 64-bit and later macOS 12.0 and later Chrome OS 80.0 and later
Web browsers.....	Google Chrome 80.0 and later
Resolution	Up to 4096x2160
Frame rate.....	30 fps
Communication	WebRTC
Security	HTTPS, DTLS v1.2
Supported codecs	
Video codecs	VP8
Audio codecs	OPUS

Specifications • ShareLink Pro 2500 (Continued)

Decoder input (Digital Signage LinkLicense Required)

Number/signal type	1 H.264/AVC digital video and AAC audio over IP
Connectors.....	2 shielded female RJ-45 connectors (ShareLink Pro 2500)
Ethernet data rate	10/100/1000Base-T
Network file share protocols.....	CIFS/SMB (SMB 1.0, NT LM 0.12), NFS
Streaming Protocols	
Pull streams.....	RTP/RTCP (RFC 3550), RTSP (RFC 2326), interleaved RTSP (RTP/RTSP), RTP/RTSP tunneled through HTTP
Push streams	MPEG-2 TS/UDP (ISO/IEC 13818-1), MPEG-2 TS/RTP (RFC 2250), Direct RTP (RFC 3984)
Stream discovery.....	SAP (RFC 2974), SDP (RFC 4145, RFC 4566)
Transport	TCP, UDP, RTP, multicast or unicast
Container (if included).....	MPEG-2 TS (MPEG-2 part 1 or ISO/IEC 13818-1 or ITU-T Rec. H.222.0), MP4 (MPEG-4 part 14 or ISO/IEC 14496-14) including mp4, m4a, m4v file extensions and compatible containers*, WAV (containing LPCM audio)

NOTE: *MP4 compatible containers are only supported with H.264 video and AAC or PCM audio.

Encoder output (Active Learning LinkLicense Required)

Number/signal type	1 H.264/AVC digital video and AAC audio over IP
Connectors.....	2 shielded female RJ-45 connectors
Ethernet data rate	10/100/1000Base-T
Streaming Protocols	
Pull streams.....	RTP/RTCP (RFC 3550), RTSP (RFC 2326)
Transport	RTP, Multicast

Video input

Number/signal type	1 HDMI digital video
Connectors.....	1 female HDMI type A
Horizontal frequency	15 kHz to 135 kHz
Vertical frequency	24 Hz to 75 Hz
Resolution range (Window mode)	640x480 @ 60 Hz to 3840x2160 @ 30 Hz (includes 480p, 576p, 720p, 1080p, 2K, 4K)
Resolution range (Pass-through mode)	640x480 @ 60 Hz to 4096x2160 @ 60 Hz (includes 480i, 480p, 576i, 576p, 720i, 720p, 1080i, 1080p, 2K, 4K)
Standards.....	DVI 1.0, HDMI 2.0, HDCP 2.3

NOTE: HDCP content is passed through if the display is authenticated. If not authenticated, the video output is green or black (configurable).

Video processing — HDMI window mode

Maximum data rate	10.2 Gbps (3.4 Gbps per color)
Maximum pixel clock	300 MHz
Frame rates.....	24, 25, 30, 50, or 60 fps
Chroma sampling.....	4:4:4, 4:2:2, or 4:2:0
Color bit depth.....	8, 10, 12 or 16 bits per color
Resolution range	2560 x 1600 @ 60 Hz or 1080p @ 60 Hz 4K UHD (3840x2160) @ 30 Hz
Formats	RGB and YCbCr digital video

Specifications • ShareLink Pro 2500 (Continued)

Video output

Number/signal type	2 HDMI output
Connectors	2 female HDMI type A
Peripheral device power	200 - 250mA
Horizontal frequency	15 kHz to 135 kHz
Vertical frequencies	
(Window mode).....	23.98 Hz, 24 Hz, 25 Hz, 29.97 Hz, 30 Hz, 50 Hz, 59.94 Hz, 60 Hz
Vertical frequencies	
(Pass-through mode)	24 Hz to 75 Hz
Output resolutions	
(Window mode).....	640x480, 800x600, 1024x768, 1280x720, 1280x724, 1366x768, 1600x1200, 1920x1200, 3840x2160, 4096x2160 (up to 60Hz), 480i, 480p, 576i, 576p, 720i, 720p, 1080i, 1080p, 2K, 4K @ 60Hz
Output resolutions	
(Pass-through mode)	640x480, 800x600, 1024x768, 1280x720, 1280x724, 1366x768, 1600x1200, 1920x1200, 3840x2160, 4096x2160 (up to 60Hz), 480i, 480p, 576i, 576p, 720i, 720p, 1080i, 1080p, 2K, 4K @ 60Hz
Standards.....	DVI 1.0, HDMI 2.0, HDCP 2.3

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

Audio input

Number/signal type	
HDMI input	1 embedded digital audio from HDMI (stereo)
Decoder input	1 embedded digital audio from decoder (stereo)
Analog line level input	1 unbalanced line level audio from analog captive screw input (stereo)
Connectors.....	1 female HDMI type A
	(1) 3.5 mm captive screw connector, 5-pole

Audio input — analog

Number/signal type	1 analog stereo, balanced/unbalanced (variable)
Connectors.....	(1) 3.5 mm captive screw connector, 5-pole
Impedance	>10k ohms balanced/unbalanced
Nominal level	+4 dBu, -10 dBV configurable
Maximum level (Hi-Z).....	+21 dBu at rated THD+N when gain is set to 0 dB, balanced.
CMRR	>60 db typ @ 1 kHz
Input gain adjustment.....	-18 dB to +24 dB, 1 dB steps

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

Audio processing

Gain	0 dB
Frequency response	20 Hz to 20 kHz, $\pm$ 0.5 dB
THD + Noise	<0.1%, 20 Hz to 20 kHz at nominal level
S/N	>90 dB, at maximum balanced output (unweighted)
Crosstalk	<-80 dB, at 1 kHz, fully loaded
Stereo channel separation	>80 dB @ 1 kHz
Volume control	-100 dB to 0 dB (control 0-100 in 1 dB steps, default: -30 dB)

Audio output — digital

Number/signal type	2 stereo, HDMI (embedded)
Connectors.....	2 female HDMI type A
Bit depths	16-bit or 24-bit
Sampling rate.....	48 kHz

Specifications • ShareLink Pro 2500 (Continued)

Audio output — analog

Number/signal type	1 analog stereo, balanced/unbalanced (variable)
Connectors	(1) 3.5 mm captive screw connector, 5-pole
Impedance	100 ohm balanced, 50 ohms unbalanced
Nominal level	+4 dBu
Gain error	±0.1 dB channel to channel
Maximum level (Hi-Z)	>+21 dBu, balanced; >+15 dBu, unbalanced

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

Network interface controllers (NICs).....	2
Connector	2 shielded female RJ-45 connector
Data rate	10/100/1000Base-T, half/full duplex with Auto-detect
Protocols	DHCP, DNS, HTTP, HTTPS, ICMP, NTP, SFTP, SNMP, SSH, TCP/IP, UDP/IP, SMB v1, SMB v2, SMB v3
Default settings – LAN A	DHCP = ON Default static IP settings if DHCP is switched OFF: Link speed = Auto-detected Duplex level = Auto-detected IP address = 192.168.253.254 Subnet mask = 255.255.255.0 Gateway = 0.0.0.0 DNS: 0.0.0.0
Default settings – LAN B	DHCP = Off Default static IP settings: Link speed = Auto-detected Duplex level = Auto-detected IP address = 192.168.254.254 Subnet mask = 255.255.255.0 Gateway = 0.0.0.0 DNS: 0.0.0.0

Configuration

Number/signal type	1 USB 2.0
Connector	1 female USB-C, front panel
USB standards.....	USB 2.0, USB 1.1, USB 1.0 compatible

Communication — USB port 1

Number/signal type	1 USB 3.0
Connector	1 female USB, type A, SuperSpeed, front panel
USB standards.....	USB 3.1 Gen 1 (USB 3.0 – 5Gbps), USB 2.0, USB 1.1, USB 1.0 compatible
USB data rates.....	Low speed (1.5 Mbps), full speed (12 Mbps), high speed (480 Mbps), SuperSpeed (5 Gbps)
Maximum current source (12 VDC powered)	900 mA Range = 825mA/902mA/989mA [min/typ/max]
Maximum current source (PoE+ powered).....	500mA Range = 448mA/502mA/562mA [min/typ/max]
Maximum built-in USB hubs.....	0
Minimum built-in USB hubs.....	0
Optional built-in USB hubs.....	0

Specifications • ShareLink Pro 2500 (Continued)

Communication — USB port 2

Number/signal type	1 USB 3.0
Connector	1 female USB, type A, SuperSpeed, front panel
USB standards	USB 3.1 Gen 1 (USB 3.0 – 5Gbps), USB 2.0, USB 1.1, USB 1.0 compatible
USB data rates	Low speed (1.5 Mbps), full speed (12 Mbps), high speed (480 Mbps), SuperSpeed (5 Gbps)
Maximum current source (12 VDC powered)	900 mA Range = 825mA/902mA/989mA [min/typ/max]
Maximum current source (PoE+ powered)	500mA Range = 448mA/502mA/562mA [min/typ/max]
Maximum built-in USB hubs	1
Minimum built-in USB hubs	1
Optional built-in USB hubs	0

Communication (Control) – External Devices

Serial

Quantity/type	1 bidirectional RS-232
Connector	(1) 3.5 mm captive screw connector, 3-pole
Baud rate and protocol	300 to 115200 baud (9600 baud = default) 8 (default) or 7 data bits 1 (default) or 2 stop bits No parity (default), even or odd parity
Pin configuration	Tx, Rx, and GND

IR/Serial

Quantity/type	1 programmable: unidirectional RS-232 (± 5 V), or TTL level (0 to 5 V) infrared (carrier and non-carrier) up to 300 kHz
Connector	(1) 3.5 mm captive screw connector, 2-pole
Baud rate and protocol (RS-232)	300 to 115200 baud (9600 baud = default) 8 (default) or 7 data bits 1 (default) or 2 stop bits No parity (default), even or odd parity
Pin configuration	S = signal and G = GND
IR output carrier frequency	30 kHz to 300 kHz

Digital inputs and outputs

Number/signal type	2 digital inputs/outputs (configurable)
Connector	(1) 3.5 mm captive screw connector, 3-pole

Digital inputs

Input voltage range	0 to 24 VDC
Input impedance	$\geq 10k$ ohms typical
Programmable pullup	2k ohms to +5 VDC
Threshold low to high	> 2.8 VDC
Threshold high to low	< 2.0 VDC

Digital outputs

250 mA sink from 24 VDC max.
Pin configuration

1, 2, G (where 1,2 = digital input and outputs 1 and 2; G = GND)

Specifications • ShareLink Pro 2500 (Continued)

General

Power input.....	12 VDC from external power supply (PS 1242 sold separately) or Power over Ethernet 802.3at (PoE+)
Power Consumption - Power over Ethernet (PoE+)	
Device	24.4 watts
Device and power supply	28.4 watts
Power Consumption - 12 VDC Power Supply	
Device	34.7 watts
Device and power supply	38.7 watts
Power over Ethernet (PoE).....	Complies with 802.3at (PoE+), class 4 (type 2)
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +104 °F (0 to +40 °C) / 10% to 90%, noncondensing
Cooling	Fan (air flows top to sides); vents on sides
Thermal dissipation – Power over Ethernet (PoE+)	
Device	61.7 BTU/Hr
Device and power supply	80.1 BTU/Hr
Thermal dissipation – 12 VDC Power Supply	
Device	100.1 BTU/Hr
Device and power supply	82.3 BTU/Hr
Mounting	
Furniture mount	Yes, with optional mounting kit
Rack mount	Yes, with optional rack shelf kit Back-of-rack mountable with optional back-of-rack mounting kit
Enclosure type	Metal
Enclosure dimensions	1.0" H x 8.75" W x 8.0" D (1" high, half rack wide, 8" deep) (2.54 cm H x 22.2 cm W x 20.3 cm D) (Depth excludes connectors)
Product weight	1.65 lbs (0.75 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	CE, c-UL, UL, C-tick, FCC Class A, ICES, VCCI Complies with appropriate requirements of RoHS and WEEE
Warranty	3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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

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