

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 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

```
Video codecs ..... VP8
Audio codecs ..... OPUS
```

1

Specifications • ShareLink Pro 1100 (Continued)

ConferenceShare™	ConferenceShare for Windows® ConferenceShare for macOS®
Operating systems	Windows 10 and later macOS 12.0 and later

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	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
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)

Decoder input

Number/signal type	1 H.264/AVC digital video and AAC audio over IP
Connectors.....	1 shielded RJ-45
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.

Encoding

Image file formats	BMP, JPG, PNG, TIFF
--------------------------	---------------------

NOTE: The following 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
-------------------------	---

Specifications • ShareLink Pro 1100 (Continued)

Audio coding.....	AAC-LC (MPEG-2 part 7, MPEG-4 part 3, sub part 4 and part 14, mono or stereo audio, max 384 kbps), G.711, G.726, MPEG-1 Layer I, II, III (mp3), AC-3 audio up to 320 kbps, PCM mono or stereo 16 kHz to 96 kHz, 16-bit to 32-bit
Video coding.....	MPEG-4 part 10 (AVC) H.264 BP, MP, HiP to level 4.2 (<40 Mbps over 1 second), MPEG-2 (ISO/IEC 13818-2 / ITU-T Rec H.262) up to 19.2 Mbps, MJPEG

Video input

Number/signal type.....	1 HDMI digital video
Connectors.....	1 female HDMI type A
Horizontal frequency.....	15 kHz to 100 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 subsampling.....	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 (4096x2160) @ 30 Hz, UHD (3840x2160) @ 30 Hz
Formats.....	RGB and YCbCr digital video

Video output

Number/signal type.....	1 HDMI output
Connectors.....	1 female HDMI type A
Video output power for active cables.....	1.1 W max. for the HDMI port
Peripheral device power.....	250mA
Horizontal frequency.....	15 kHz to 100 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 (up to 30 Hz only), 480p, 576p, 720p, 1080p, 2K, 4K @ 30 Hz
Output resolutions (pass-through mode).....	640x480, 800x600, 1024x768, 1280x720, 1280x724, 1366x768, 1600x1200, 1920x1200, 3840x2160 (up to 60 Hz), 4096x2160 (up to 60 Hz), 480i, 480p, 576i, 576p, 720i, 720p, 1080i, 1080p, 2K, 4K @ 60 Hz
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.

Specifications • ShareLink Pro 1100 (Continued)

Audio input

Number/signal type	
HDMI input	1 embedded digital audio from HDMI (stereo)
Decoder input	1 embedded digital audio from decoder (stereo)
Connectors.....	1 female HDMI type A

Audio processing

Gain	-6 dB unbalanced, 0 dB balanced
Frequency response	20 Hz to 20 kHz, ± 0.1 dB
THD + Noise	<0.02%, 20 Hz to 20 kHz at maximum output level (unweighted)
S/N	>100 dB, at maximum balanced output (unweighted)
Stereo channel separation	>90 dB @ 1 kHz
Crosstalk	<-100 dB, at 20 Hz to 20 kHz, fully loaded
Volume control	-100 dB to 0 dB (control 0-100 in 1 dB steps, default: -30 dB)

Audio output — digital

Number/signal type	1 stereo, HDMI (embedded)
Connectors.....	1 female HDMI type A
Bit depths	16-bit or 24-bit
Sampling rate.....	48 kHz

Audio output — analog

Number/signal type	1 analog stereo, balanced/unbalanced (variable)
Connectors	(1) 3.5 mm captive screw connector, 5-pole
Impedance	50 ohms unbalanced, 100 ohms balanced
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 $\approx$ 2 dBu
--

Control — Serial COM port (RS-232)

Quantity/Type.....	1 unidirectional RS-232
Connector	(1) 3.5 mm captive screw connector, 3 pole, rear panel
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, odd, mark, or space parity
Pin configurations	
Serial, 3-pole captive screw ...	Pin 1 = Tx, 2 = Rx, 3 = Gnd

Control — Contact closure/tally output

Number/Type	(4) 3.5 mm captive screw connector, 2-pole [C, T] (1) 3.5 mm captive screw connector, 2-pole [G, +V]
Input contact/tally	
pin configuration.....	C, T (C = contact, T = Tally)
Contact/tally power	
pin configuration.....	G, +V (G = Ground, +V = +5 VDC)
Max current output for +V	200 mA

Specifications • ShareLink Pro 1100 (Continued)

Ethernet control

Network interface controllers (NICs).....	2
Connector	2 female RJ-45 connectors
Data rate	10/100/1000Base-T, half/full duplex with Auto-detect
Protocols	DHCP, DNS, HTTP, HTTPS, ICMP, IEEE 802.1X, 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 — USB config port

USB configuration port	
Quantity/type	1 front panel USB mini-B
Standard	Ethernet over USB

Communication — USB port 1

Number/signal type	1 USB 3.1 Gen 1
Connector	1 female USB 3.1 Gen 1 type A, front panel
USB standards	USB 3.1 Gen 1 (USB 3.0 – 5 Gbps), USB 2.0, USB 1.1, USB 1.0 compatible
Maximum current source	900 mA
Maximum built-in USB HUBs	0
Minimum built-in USB HUBs	0
Optional built-in USB HUBs	0

Communication — USB port 2

Number/signal type	1 USB 2.0
Connector	1 female USB 2.0 type A, front panel
USB standards	USB 2.0, USB 1.1, USB 1.0 compatible
Maximum current source	500 mA
Maximum built-in USB HUBs	0
Minimum built-in USB HUBs	0
Optional built-in USB HUBs	0

Internal storage capacity

Memory capacity	10 GB
-----------------------	-------

Specifications • ShareLink Pro 1100 (Continued)

General

Power supply (sold separately)	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 4.2 A, 50.4 watts
Power input.....	12 VDC from external power supply (sold separately) or Power over Ethernet Plus (PoE+ IEEE 802.3at)
Power Consumption – Power over Ethernet (PoE+)	
Device	28.6 watts
Device and power supply	33.3 watts
Power Consumption – 12 VDC Power Supply	
Device	25.8 watts
Device and power supply	29.2 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 from top to sides); vents on sides
Thermal dissipation – Power over Ethernet (PoE+)	
Device	69.2 BTU/Hr
Device and power supply	85.4 BTU/Hr
Thermal dissipation – 12 VDC Power Supply	
Device	59.7 BTU/Hr
Device and power supply	71.3 BTU/Hr
Mounting	
Furniture mount	Yes, with optional under-desk or wall mounting kit (MBU 125)
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	1.8 lbs (0.8 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.

6141-D7