

Specifications

TLSI 201

TRUE 4K specifications

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		

Frame rate ¹	24, 25 or 30 fps
Chroma sampling ¹	4:4:4 or 4:2:2
Color bit depth ¹	8 bits per color
Signal type	HDMI 1.4b, HDCP 2.3
Max. video data rate	8.91 Gbps (2.97 Gbps per color)
Maximum pixel clock	297 MHz

NOTE: ¹Subject to the maximum data rate limit. Use our calculator (<https://www.extron.com/8Kdatarate>) to determine video parameters supported by this data rate.

Video processing

Maximum data rate	8.91 Gbps (2.97 Gbps per color)
Maximum pixel clock	297 MHz
Frame rates	24, 25, 30, 50, or 60 fps
Chroma subsampling	4:4:4, or 4:2:2
Color bit depth	8 bits per color
Resolution range	1080p @ 60 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	250 mA
Horizontal frequency	15 kHz through 100 kHz
Vertical frequencies	23.98 Hz, 24 Hz, 25 Hz, 29.97 Hz, 30 Hz, 50 Hz, 59.94 Hz, 60 Hz
Output resolutions	1920x1080 @ 60Hz
Standards	DVI 1.0, HDMI 1.4b, HDCP 2.3

Memory

SDRAM	2 GB
Flash	16 GB

Audio input

Number/signal type	1 embedded digital audio from HDMI (LPCM-2Ch only)
Connectors	1 female HDMI

Specifications • TLSI 201 (Continued)

Audio output

Number/signal type.....	1 embedded digital audio on HDMI
Connectors.....	1 female HDMI
Playback format(s)	
Container format	WAV (Microsoft RIFF)
Encoding.....	LPCM (uncompressed)
Bit depth	Signed 16-bit or 24-bit
Sampling rate	Up to 48 kHz
Audio channels.....	Mono or stereo

Ethernet

Connectors.....	1 female RJ-45 connector
Data rate.....	10/100/1000Base-T, half/full duplex with autodetect
Protocols	DHCP, DNS, HTTP, HTTPS, ICMP, IEEE 802.1x, SFTP, SSH, TCP/IP, UDP/IP
Default settings	Link speed and duplex level = autodetected IP address = 192.168.254.251 Subnet mask = 255.255.255.0 Default gateway = 0.0.0.0 DHCP = off DNS = 127.0.0.1

Software

Configuration software.....	Room Agent
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USB device ports

Number/signal type.....	1 device
Connectors.....	1 USB type A female
Maximum built-in USB hubs.....	0
Minimum built-in USB hubs.....	0
Standards	USB 2.0, USB 1.1, USB 1.0 compatible
Max. data rates.....	Low speed (1.5 Mbps), full speed (12 Mbps), high speed (480 Mbps)
Available USB power.....	480 mA

General

Power supply.....	External
Power input requirements	Power over Ethernet Plus (PoE 802.3at)
Power consumption — Power injector (PI 140, not included)	
Device.....	10.5 watts
Device and power injector	15.6 watts
Power over Ethernet (PoE) requirements.....	Complies with IEEE 802.3at
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
Thermal dissipation — Power injector (PI 140, not included)	
Device.....	26.3 BTU/hr
Device and power injector	43.7 BTU/hr

Specifications • TSLI 201 (Continued)

Rack mount	Yes with included rack ears
Enclosure type	Metal
Enclosure dimensions	1.00" H x 8.70" W x 8.00" D (half rack wide) (25 mm H x 221 mm W x 203 mm D) (Depth excludes connectors.)
Product weight	1.70 lbs (0.77 kg)
Regulatory compliance.....	CE, C-Tick, FCC Class A, ICES, VCCI, c-UL, UL, 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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