

# Specifications

## TLP Pro 1720MG

### Display

Screen type .....	Active matrix TFT color display
Size .....	17.3" (44.0 cm), measured diagonally
Resolution.....	1920x1080
Dot/pixel pitch.....	127.7 dpi
Aspect ratio .....	Widescreen
Color depth.....	24-bit, 16.7M colors
Transparency .....	8 bit alpha channel
Brightness .....	360 nits (cd/m <sup>2</sup> )
Contrast.....	540:1
Backlight.....	LED
Viewing angle.....	±80° horizontal, +60°/-80° vertical
Touch screen .....	Capacitive

### Memory

SDRAM.....	512 MB
Flash.....	512 MB

### XTP – Interconnection between transmitter and receiver

Termination standard.....	TIA/EIA T568A or T568B
Signal transmission distance.....	330' (100m) using CAT 5e/6/7 UTP or STP cable (24 AWG or better)
Cable requirements .....	Solid conductor, 24 AWG or better
Cable recommendations.....	400 MHz bandwidth, STP (Shielded Twisted Pair)

### Video input

Resolution range.....	Up to 1920x1200*, 2K, or 1080p (HDTV) *reduced blanking
Number/signal type.....	1 HDMI (HDCP compliant) 1 XTP
Connectors.....	1 female HDMI type A 1 female RJ-45 (shared with Ethernet interface)
Horizontal frequency .....	18.75 kHz to 75 kHz
Vertical frequency.....	24 Hz to 75 Hz
Standards .....	DVI 1.0, HDMI 1.4, HDCP 1.4
Audio sampling rate .....	48 kHz (this is in 1520MG specs)

### Video processing

HDMI pixel data bit depth.....	8, 10, or 12 bits per channel; 165 MHz pixel clock
Colors.....	1 billion (10 bit processing)

### Control – Touchpanel

Motion sensor.....	On/off
Light sensor.....	On/off

### Control – Ethernet interface

Ethernet control/communications port	1 female RJ-45 connector (shared with XTP video input)
Ethernet data rate .....	100Base-T, half/full duplex with autodetect

Protocol .....	DHCP, DNS, HTTP, HTTPS, ICMP, 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.....	Global Configurator Plus and Professional, GUI Designer
Control apps .....	Extron Control, iGVE
Resource management software	GlobalViewer Enterprise, iGVE
Utilities.....	Toolbelt, Embedded Web page

## Control – USB

Number/signal type.....	2 high-speed USB 2.0 devices
Connectors .....	2 USB type A connectors
USB standards .....	USB 2.0, USB 1.1, USB 1.0 compatible
USB data rates .....	Low speed (1.5 Mbps), full speed (12 Mbps)

## Audio output – Speaker

Speaker output .....	2 speakers (stereo), 86 dB SPL, 0.1 watt, 0.1 m, half space
Frequency response .....	750 Hz to 20 kHz, $\pm 5$ dB
Playback format(s)	
Container format .....	WAV (Microsoft RIFF)
Encoding .....	LPCM (uncompressed)
Bit depth .....	Unsigned 8-bit, Signed 16-bit, Signed 24-bit, Signed 32-bit
Sampling rate .....	2 kHz to 192 kHz
Audio channels.....	Mono or stereo

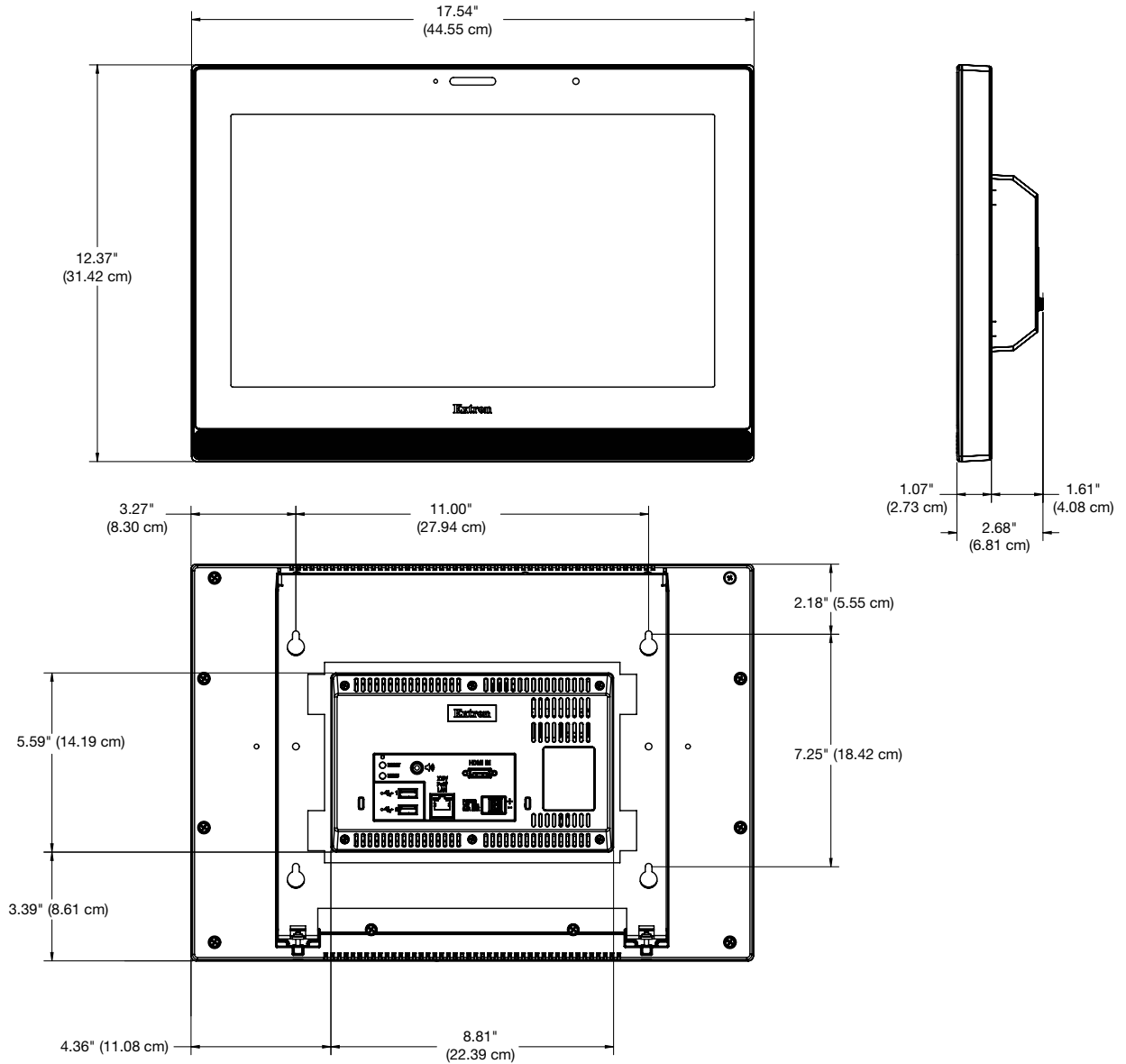
## Audio output – Line level

Number/signal type.....	1 stereo, unbalanced
Connectors .....	1 female 3.5 mm stereo mini jack; tip (L), ring (R), sleeve (GND)
Impedance.....	50 ohms unbalanced
Gain error.....	$\pm 0.1$ dB channel to channel
Nominal level.....	-10 dBV (316 mVrms)
Maximum level (Hi-Z).....	$> +8.2$ dBV unbalanced at 1% THD+N
Maximum level (600 ohm) .....	$> 7.1$ dBm unbalanced at 1% THD+N

## General

Power supply .....	PI 140 included
Power input requirements .....	12 VDC or Power over Ethernet
Power consumption — Power injector (PI 140) with XTP	
Device .....	33.0 watts
Device and power injector .....	37.2 watts
Power consumption — Power supply (PS 1230)	
Device .....	28.8 watts
Device and power supply .....	32.5 watts
Temperature/humidity .....	Storage: 5 to +149 °F (-15 to +65 °C) / 10% to 90%, noncondensing Operating: +41 to +104 °F (5 to +40 °C) / 10% to 90%, noncondensing
Cooling .....	Convection, vents on top, bottom, and rear
Thermal dissipation— Power injector (PI 140)	
Device .....	108 BTU/hr
Device and power injector .....	122 BTU/hr
Thermal dissipation— Power supply (PS 1230)	

- Device ..... 93.0 BTU/hr
- Device and power supply ..... 106 BTU/hr
- Mounting
  - Rack mount..... With optional kit
  - Furniture or wall mount..... With included hardware or optional accessories
- Enclosure type ..... Plastic



Enclosure dimensions

- Faceplate ..... 12.4" H x 17.5" W x 2.7" D  
(31.5 cm H x 44.5 cm W x 6.9 cm D)
- Enclosure ..... 5.6" H x 8.8" W x 1.6" D  
(14.2 cm H x 22.4 cm W x 4.1 cm D)

Product weight .....	8.00 lb (3.63 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 and WEEE.
Warranty .....	3 years parts and labor; touchpanel display and overlay components are covered for 1 year

**NOTES:**

- All nominal levels are at  $\pm 10\%$ .
- Specifications are subject to change without notice.
- Shipping dimensions and weights are available at [www.extron.com](http://www.extron.com).

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