



1937L 19" LCD Open-Frame Touchmonitor

High-quality panel and choice of touch technology in a compact form factor

The 1937L open-frame touchmonitor delivers a cost-effective touch solution for OEMs and systems integrators, and complements the expanded family of Elo touch solutions for gaming and amusement, retail self-service and kiosk applications. This compact touchmonitor is "designed for touch," with proven expertise and reliability built-in, not added as an afterthought by altering an existing monitor.

Like all Elo open-frame touchmonitors, the specifications and tooling are controlled to ensure a long product life, which is important in maintaining continuity for all phases of project rollouts and servicing. The 1937L features an injection-molded bezel with a virtually invisible watertight seal, thus making it a good choice to withstand the rigors of public use. Narrow borders, black anodized bezel hardware, multiple mounting options, and dual serial/USB touch interface (APR is USB only) add to the touchmonitor's flexibility. Worldwide agency approvals cover the entire monitor that is developed, built and supported by Elo TouchSystems, a true single-source supplier.

The 1937L is available with a choice of one of Elo's industry-leading touch technologies: Acoustic Pulse Recognition (APR), AccuTouch 5-wire resistive or IntelliTouch surface acoustic wave. The comprehensive range of features includes an analog interface, multi-lingual on-screen display (OSD), mounting VESA standard, mounting brackets, cabled remote on-screen display (OSD), and worldwide compliance.

Features

- High quality panel with 160° x 160° viewing angle
- 800:1 contrast ratio
- Long-lasting product cycle—enclosure controlled by Elo specifications
- Future generation panels phased-in without external changes
- Integrated precision mini-bezel with watertight 0.5 mm seal
- Mounting options including rear-mount (with two included mounting brackets) and VESA mount
- Acoustic Pulse Recognition (APR) touch technology with USB interface; AccuTouch 5-wire resistive and IntelliTouch touch technologies with dual serial/USB touch interfaces
- Integrated multilingual on-screen display (OSD), connector for optional remote on-screen display (OSD)
- Worldwide agency approvals
- 3 year warranty
- 3D electronic design files available



1937L 19" LCD Open-Frame Touchmonitor Specifications

Case/Bezel color	Steel/black
Display	Size: 19.0" diagonal; Type: Active matrix TFT LCD; Aspect ratio: 5 x 4
Useful screen area	Horizontal: 14.8" (376 mm); Vertical 11.9" (301 mm)
Monitor dimensions	Width: 16.3" (415 mm); Height: 13.5" (343 mm); Depth: 2.0" (51 mm)
Optimal (native) resolution	1280 x 1024
Other supported resolutions	1280 x 1024 at 60, 70 or 75 Hz; 1280 x 960 at 60 Hz; 1152 x 864 at 75 Hz
Colors	16.7 million colors
Brightness (typical)	LCD panel: 250 nits; with AccuTouch: 200 nits; with Acoustic Pulse Recognition: 225 nits; with IntelliTouch: 225 nits
Response time (typical)	10 msec
Viewing angle (typical)	Horizontal: 160° total; Vertical: 155° total
Contrast ratio (typical)	800:1
Input video format	Analog VGA
Input video signal connector	Mini D-Sub 15-Pin VGA type
Input frequency	Horizontal: 31.5-80.0 kHz; Vertical: 56.3-75 Hz
Power supply	External DC—optional power brick (sold separately) Input voltage—DC: +12VDC ±5% Input power connector specification (monitor)—Type: DC Barrel Jack; Barrel inner diameter: 6.4 mm (±0.3 mm); Pin outer diameter: 2.0 mm (+0.0 -0.1 mm); Barrel depth: 8.8 mm (±0.3 mm) Power connector (power brick)—Type: DC Barrel Plug; Barrel outer diameter: 5.5 mm (±0.1 mm); Pin inner diameter: 2.1 mm (±0.1 mm); Barrel length: 9.5 mm (±0.5 mm)
Power consumption (typical)	Monitor: 38 W; Monitor and power brick: 43 W
Temperature	Operating: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 60°C (-4°F to 140°F)
Humidity (non-condensing)	Operating: 20%-80%; Storage: 10%-90%
Weight	Actual: 5.2 kg (11.5 lbs); Shipping: 7.3 kg (16.1 lbs)
Shipping box dimensions (W x D x H)	20.28" (515 mm) x 17.72" (450 mm) x 6.89" (175 mm)
Warranty	Touchmonitor: 3 years
Backlight lamp life (typical)	50,000 hours to half brightness
Mean time between failures (MTBF)	50,000 hours demonstrated
Agency approvals	UL, cUL (Recognized) , TUV-T Mark, Argentina S, CE, FCC, VCCI, IC, C-TICK (Class B), NOM, BSMI, KCC, CCC, China RoHS
On-screen display (OSD)	Controls (optional remote with 1.8m cable): Auto/Sel, up, down, menu Controls (back): menu, left, right, select, power Settings: contrast, brightness, H/V position, RGB (color temp), clock, phase, recall Languages: English, German, Spanish, Japanese, French Lockouts: power, user controls
Mounting options	75 mm or 100 mm VESA mount; Rear mount or with included standard mounting brackets; Front mount with optional bezel; Rack mount with optional bracket
Sealing	Touchscreen sealed to bezel; Touchscreen sealed to LCD

To find out more about Elo's extensive range of touch solutions, go to www.elotouch.com, or call the office nearest you.

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