



1739L 17" LCD Rear-Mount Touchmonitor

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

Elo's 1739L 17" LCD rear-mount touchmonitor delivers a cost-effective touch solution for OEM's and systems integrators, and complements Elo's expanding family of touch solutions for applications in the retail self-service and gaming/amusement markets. This compact touchmonitor is "designed for touch" from the ground up, with Elo's proven expertise and reliability built in, and not added as an afterthought by altering an existing monitor.

The 1739L features a brilliant wide viewing angle panel to instantly grab and hold the users' attention, whether they are checking out retail goods with a self-service kiosk or playing games in a casino or arcade. Because the enclosure is controlled by Elo's specifications and tooling, Elo's rear-mount monitors have a long-lasting product cycle—important for continuity through all phases of project roll-outs and when servicing. It also features a unique, injection-molded minibezel with virtually invisible watertight seal, making it ideal for the rigors of public use.

Narrow borders, multiple mounting options, and a dual serial/USB touch interface add to the versatility of the 1739L. Worldwide agency approvals, as set forth on the back side of this datasheet, cover the entire monitor that is designed, built and supported by Elo, a true single source supplier.

Features

- Long lasting product cycle-enclosure controlled by Elo specifications
- 800:1 contrast ratio, and 300-nit brightness (LCD panel)
- High quality panel with 160° x 160° viewing angle
- Future generation panels phased-in without external changes
- Integrated precision minibezel with watertight 0.5 mm seal
- IntelliTouch Surface Wave, SecureTouch vandal-resistant Surface Wave, Surface Capacitive or CarrollTouch Infrared touch technology with dual serial/USB touch interface
- Mounting options including rear-mount and VESA mount
- Optional front mount and rack mount bezels
- Multilingual on-screen display (OSD)
- Worldwide agency approvals
- 3-D electronic design files available
- Fully RoHS compliant

1739L 17" LCD Rear-Mount Touchmonitor Specifications

Case/Bezel Color	Steel/black
Display	Size: 17.0" diagonal Type: Active matrix TFT LCD Aspect ratio: 5 x 4
Useful Screen Area	Horizontal: 13.3" (338 mm); Vertical: 10.6" (270 mm)
Monitor Dimensions	Width: 14.5" (368 mm) Height: 12.0" (306 mm) Depth: 1.9" (49 mm)
Optimal (native) Resolution	1280 x 1024
Colors	16.7 million
Brightness	LCD panel: 300 cd/m ² (typical); with AccuTouch: 246 cd/m ² (typical); with CarrollTouch: 276 cd/m ² (typical); with IntelliTouch: 276 cd/m ² (typical); with SecureTouch: 273 cd/m ² (typical); with Surface Capacitive: 255 cd/m ² (typical)
Response Time	7.2 msec (typical)
Viewing Angle (typical, from center)	Horizontal (left/right): ±80° or 160° total Vertical (up/down): ±80° or 160° total
Contrast Ratio	800:1 typical
Input Video Format	RGB analog only
Input Sync Format	Separate horizontal and vertical sync, composite sync and sync-on-green
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% at 2.5 A max. Input power connector specification (on 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 (on 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)	30W
Power Dissipation	Monitor only: 30 W typical, 36 W max. Monitor and power brick: 33 W typical, 40 W max.
Temperature	Operating: 0°C to 40°C; Storage: -20°C to 60°C
Humidity (noncondensing)	Operating: 20%-80%; Storage: 10%-90
Weight (approx.)	Actual: 8.8 lb (4.0 kg); Shipping: 11.5 lb (5.2 kg)
Warranty	Monitor: 3 years Backlight lamp life: typical 50,000 hours to half brightness MTBF: 50,000 hours demonstrated
Agency Approvals	UL, cUL, SEMKO, CB, CE/FCC/VCCI/C-Tick (Class B) On-screen display (OSD): Digital OSD or optional remote OSD with 1.8 m cable
User's Controls	Optional remote OSD: Auto/Sel, up, down, menu OSD buttons: menu, left, right, select, power OSD: contrast, brightness, H/V position, RGB (color temp), clock, phase, recall, language (English, German, Spanish, Japanese, French) OSD disable/enable: power, OSD menu
Mounting Options	75 mm or 100 mm VESA mount Rear mount includes standard mounting brackets Front mount with optional bezel (see Accessories for details) Rack mount with optional bracket (see Accessories for details)
Other Features	Fully RoHS compliant; patent pending bezel seal; patented touch technology
Other Supported Resolutions	See www.elotouch.com for additional supported resolutions

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

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