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2799L
27-inch LCD

Outdoor Open-Frame Touchscreen Display



Optically Bonded 1500 NIT Display

Direct Sunlight Readability

Built-in Temp Control

Product Overview

Elo's 2799L 27-inch outdoor open-frame touchscreen monitor is ready for 24/7 use with 1500 NITs of brightness. The IK10, vandal-proof outdoor display offers direct sunlight readability viewable with polarized sunglasses and extended operating temperatures. From payment and ticketing machines to signage and charging stations, the brilliant, optically bonded weatherproof monitor offers locking connectors and supports 12v-24v DC for easy and secure integration into an enclosure.

The 2799L provides outstanding image clarity and light transmissivity, as well as stable, drift-free operation for accurate touch responses – making it well-suited for almost any commercial kiosk application.

Optimize outdoor performance with the ambient light sensor that automatically adjusts the display's brightness to save power and extend the life of the panel.

Mount in landscape, portrait and upward facing orientations, providing optimal flexibility for integrating in any counter, kiosk or cabinet design.

Built for integration into harsh physical and thermal environments: IK10 impact protection with -20C to 60C operating temperatures.

2799L 27-inch Open-Frame Touch

Specifications	
Model	2799L
Color	Black
Active Display Area	23.54" x 13.24" / 597.89 mm x 336.31 mm
Diagonal	27" / 685.8 mm
Aspect Ratio	16:9
Native Resolution	1920x1080
Other Supported Resolutions	640x480 60Hz, 720x400 70Hz, 800x500, 60Hz, 800x600 56, 60Hz, 1024x768 60Hz, 1280x800 60Hz, 1280x1024 60Hz, 1366x768 60Hz, 60Hz RB, 1440x900 60Hz, 60Hz RB, 1680x1050 60Hz, 60Hz RB, 1920x1080 50, 60Hz
Number of Colors	16.7 million
Number of Touches	10-touch with USB, 2-touch with RS232
Brightness (typical)	LCD panel: 1500 nits; TouchPro PCAP: 1320 nits
Response (typical)	14 msec
Viewing Angle	Horizontal: 89°/178°; Vertical: 89°/178°
Contrast Ratio	1000:1
On-Screen Display	Accessible through switches on the unit's tethered OSD Control box. Controls: Menu, Up, Down, Select, Power Brightness, Contrast, Light sensor, Clock, Phase, H-Position, V-Position, Auto-Adjust, Aspect Ratio, Sharpness, Color Temperature, OSD Timeout, OSD Rotation, OSD Language, OSD H-Position, OSD V-Position, Recall Defaults, Video Priority, Information, Touch on Sleep Mode, Touch Through, Touch Interface, GPIO Control, Time Setting, On/Off Schedule, Daylight Saving Time Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese Lockouts: OSD, Power
I/O Ports	Locking for all ports - USB TypeB, RJ45 for OSD remote key, VGA, HDMI, DisplayPort, DC IN, Terminal Block for GPIO control (4 pins)
Video	HDMI V1.3 Type A receptacle for HDMI input Analog VGA on Female DE-15 (DB-15) connector (Support RS232 touch via E810917) DisplayPort V1.1a - Supports later versions of DisplayPort video input Input Video Horizontal Sync frequency range: 30 – 82KHz Input Video Vertical Sync (frame rate) frequency range: 50-75Hz
Power	External DC - Optional power brick (sold separately) Monitor input power connector: Coaxial power jack (2.5mm (+0.0 -0.1mm) pin outer diameter, 5.7mm (+/- 0.1mm) barrel inner diameter, 7.8mm (+/- 0.2mm) barrel depth) Monitor input voltage range: 12V – 24V DC +/- 5% Adapter output power connector: DC barrel plug (2.5mm (+/- 0.1mm) pin inner diameter, 5.5mm (+/- 0.05mm) barrel outer diameter, 7.5mm (+/- 0.5mm) barrel length) Adapter input voltage range: 100-240 VAC Input frequency: 50-60 Hz
Power Consumption	ON (Typical - 100% Brightness): 70 W; SLEEP from PC (monitor + adapter): 1.23W ; OFF (monitor + adapter): 0.26 W
Temperature	Operating: -20 °C to 60 °C (-4 °F to 140 °F); Storage: -30 °C to 80 °C (-22 °F to 176 °F)
Humidity	Operating: 10% to 90%; Storage: 10% to 95% (38.7° maximum wet bulb temperature)
Dimensions	16.34" x 25.90" x 2.6" / 415 mm x 658 mm x 66 mm
Shipping Dimensions	22.25" x 32.29" x 9.06" / 565 mm x 820 mm x 230 mm
Weight	Unpackaged: 30.00 lbs / 13.6 kg; Packaged: 36.60 lbs / 16.6kg
Mounting Options	200mm x 100mm VESA mount on rear of unit; 4 hole mounting interface on all four sides; Flush mount with included brackets
Warranty	2 years standard
MTBF	50,000 hours demonstrated
Agency Approvals	Australia RCM; Canada cUL, IC; China CCC; Europe CE, TUV; United Kingdom UKCA; Japan VCCI; Korea KCC; Mexico NoM; Taiwan BSMI; United States UL, FCC; International CB; Russia EAC; RoHS, China RoHS, WEEE
Compliance	GLI 15 kV air / 8 kV contact ESD compliant; UL ball-drop compliant; IK10 impact compliant
Other Features	Polarize sunglasses view: portrait and landscape; Ambient light sensor (1x); Thermal sensor (2x); Internal fan (2x); External fan (4x); GPIO Control (1x input, 1x output, VCC, GND)
What's in the Box	HDMI Cable, VGA Cable, OSD Remote, Touch USB Cable, QIG, Flush Mount Brackets with screws, EEI Label, Japan Class-B TM info sheet

Ordering Information

Part Number	Technology	Interface	Surface Treatment
E399052	TouchPro PCAP	USB2.0 / RS232 via VGA port with E810917	Anti-Glare

Learn more about Elo at **EloTouch.com**.

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