5500L 55" Interactive Digital Signage Touch Display

The Elo TouchSystems 5500L Interactive Digital Signage (IDS) display combines a precision touchscreen with a professional-grade, large format LCD panel. The 5500L offers System Integrators, Value-Added Resellers and Software Developers a high-performance touch solution for interactive digital displays in high traffic environments.

The 55" 5500L is part of a family of large-format touch displays which bring interactivity to digital signage. The 5500L features a choice of two sensitive, accurate touch-screen technologies, each with pure-glass construction for visual clarity:

- Optical touchscreen provides multi-touch (up to 4 touches) and gesture support (Microsoft® Windows 7 required)
- IntelliTouch single-touch surface acoustic wave (SAW) touchscreen stands out for consistent reliability

The display is housed in a highly durable steel chassis for a long life of reliable and durable performance in almost any public access location. Optical touchscreen technology recognizes touch with a finger, gloved hand, prosthetic, stylus, card or pen while the IntelliTouch touchscreen recognizes touch by a finger, gloved hand, or virtually any soft stylus. With these touchscreen technologies, the result is an efficient display canvas for almost any commercial application. In addition, the 5500L sports a thinner profile (4.8") and an LED-based LCD panel which reduces power consumption and heat output.

Optional high performance computer modules are well-suited for running interactive media and are available with a choice of two processing models: ECM1 with the Intel Celeron Dual-Core 2.2GHz and ECM2 with the Intel Core 2 Duo 3.0GHz. The computer modules are field-installable, easily sliding into a dedicated bay behind the touch display and locking into place with two thumbscrews. These modules make the 5500L a reliable platform that is interoperable with content management servers and support optimal partitioning of locally cached and network stored content.

Benefits

- Professional-grade hardware provides improved durability withstands rigors of public use over "consumer-type" displays
- Power and display control functions can be locked out to prevent tampering
- Built-in speakers provide audio expansion capabilities
- Choice of reliable and resilient optical or IntelliTouch (SAW) touchscreen technologies delivers an exceptional touch experience
- Landscape and portrait orientations allow flexible configurations to suit a variety of design layouts
- Advertising and content effectiveness measured in real-time with interactive feedback
- Available optional slide-in integrated computer module with no cables

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Model	5500L
Active Display Area	47.6" x 26.8" (1209.6 x 680.4mm)
Dimensions*	50.8" x 29.9" x 4.8" (1290.9 x 761.7 x 122.4mm)
Touchscreen technology	IntelliTouch surface acoustic wave; optical multi-touch
LCD Technology	Active matrix TFT LCD with LED backlight
Display Size	54.6" diagonal
On-Screen Display (OSD)	Accessible through switches on the rear, or through the standard Elo OSD control box accessory (sold separately). Controls: Menu, Up, Down, Select; Settings: Brightness, Contrast, Clock, Phase, Auto Adjust, H-position, V-position, Maintain Aspect Ratio, Sharpness, Color Temperature, OSD Timeout, OSD Language, Mounting, OSD H-Position, OSD V-Position, Volume, Mute, Recall Defaults, Video Source, Audio Source, ECM MDC; Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese; Lockouts: OSD, Power
Monitor Diagnostics Control	RS-232 interface or through Elo computer module docking connector
Mounting Options	VESA MIS-F 600x400, Y, 6, 90 mounting provided on rear. Optional stand accessory is available.
Native Resolution	1920x1080
Aspect Ratio	16:9
Preset Video Timings	640x480 60Hz; 720x480 60Hz; 720x576 50Hz; 800x600 56, 60Hz; 1024x768 60Hz; 1280x720 50, 60Hz; 1280x960 60Hz; 1280x1024 60Hz; 1360x768 60Hz (does not scale; image is centered on panel and the remaining active area is filled with black); 1366x768 60Hz; 1440x900 60Hz; 1680x1050 60Hz; 1920x1080 60Hz
Number of Colors	1073.7 million
Brightness (typical)	LCD Panel: 450 nits; IntelliTouch: 405 nits; optical multi-touch: 405 nits
Response Time (gray to gray) (typical)	6.5 msec
Viewing Angle (typical)	Horizontal: ±89° or 178° total; Vertical: ±89° or 178° total
Contrast Ratio (typical)	4000:1
Video Interfaces	Analog VGA on Female DE-15 connector; HDCP-capable HDMI 1.3 on HDMI Type A receptacle connector; Input Video Horizontal Sync frequency range: 31.5 – 80 KHz; Input Video Vertical Sync (frame rate) frequency range: 47-63 Hz
Power	Input power connector: IEC 60320 C14; Input power signal specifications: 100-240VAC 50/60Hz; Power Consumption (Typical): Monitor only: ON, max audio, 100V/60Hz: 145W; SLEEP, 100V/60Hz: 15W; OFF, 100V/60Hz: 3.5W Monitor with ECM1 Computer Module: S0 – ON, max audio, 100% CPU load, 100V/60Hz: 238W; S3 – STANDBY, 100V/60Hz: 17W; S5 – OFF, 100V/60Hz: 13.2W Monitor with ECM2 Computer Module: ON, max audio, 100% CPU load, 100V/60Hz (S0): 268W; S3 – STANDBY, 100V/60Hz: 17W; S5 – OFF, 100V/60Hz: 13.2W
Audio	Internal speakers: a pair of 10W stereo speakers; Input audio connector: 3.5mm TRS jack; Input audio signal range: 1Vrms max stereo signal (standard PC line out) ; Headphone output connector: 3.5mm TRS jack; Headphone output signal (at 1KHz): delivers 90mW of power into a 32-ohm stereo load
Weight	Unpackaged: Weight without Computer Module: 88.8lb (40.3Kg); Weight with Computer Module: 94.6lb (42.9Kg); Packaged (Computer Module ships separately); Weight: 119.7lb (54.3Kg)
Shipping Dimensions	14.2" x 51" x 38.2" (36 x 145 x 97 cm)
Temperature	Operating: 32°F to 95°F (0° C to 35° C); Storage: -4°F to 122°F (-20° C to 50° C)
Humidity (non-condensing)	Operating: 20% - 80%; Storage: 10% - 90%
Regulatory approvals and declarations	Argentina S-mark; Australia C-Tick; Canada cUL, IC; China CCC; Europe CE; Japan VCCI; Korea KC; Mexico NOM; Russia & CIS GOST; Taiwan BSMI; United States UL, FCC; International CB
Warranty	3 years
MTBF	50,000 hours demonstrated

*See dimensional drawings for details.

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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