

tyco

Electronics



Touchmonitors for Gaming and Casino Management

- SUPERIOR TECHNOLOGY
- LARGEST SELECTION
- WORLD CLASS RELIABILITY





Touch captures player's imagination in ways not possible with buttons



Tens of thousands of gaming monitors move through Elo's warehouses

■ **Reliable gaming monitors from the world leader in touchmonitors**

Elo TouchSystems, a division of Tyco Electronics, produces a complete line of monitors for gaming machines as well as applications throughout the casino. Our gaming monitor line is the direct result of talking to industry people like you. You wanted higher-quality monitors with greater reliability, new features, and a superior touch technology—and we have delivered just that.

■ **Experienced monitor design and production**

Elo's founders invented the touchscreen more than 30 years ago. Today, Elo is not only the world leader in touch technology, but also the world's largest producer of touchmonitors—currently with over 35 different models in more than 100 standard product variations. For over 15 years, Elo has offered monitors designed for a variety of specialized markets including point of sale (POS), industrial, medical, gaming, and kiosk.

■ **Proven quality**

Elo gaming monitors have earned their reputation for top quality. Starting with proven basic circuits from our desktop monitors, we engineer and build monitors specifically for the demanding requirements of the gaming and amusement industry. Our monitors are designed for touch—it's not added as an afterthought from a different supplier. We even build our monitors under the same roof as our touch technology.

■ **A worldwide company with people you can trust**

Elo has expanded its leadership in the global touch marketplace by proving itself every day. With direct offices in more than 15 countries, we are in your time zone, speak your language, and can deliver quickly from warehouses on each continent. We are there when you need us.

Elo is part of Tyco International, the world's largest manufacturer of electrical and electronic components. The company operates in more than 100 countries with 260,000 employees and had fiscal 2005 revenues of \$40 billion.



■ LCD gaming monitors with a choice of touch technology

- Choice of IntelliTouch surface wave for superior picture quality or Elo capacitive for backward compatibility
- Choice of panels in the same compact footprint, including wide viewing angle panels—options your customers will also appreciate
- Always Grade A panels
- Unique precision minibezel with virtually invisible watertight seal (optional with capacitive)
- Sizes ranging from 12" to 32", plus larger custom models
- Long-lasting product cycle—enclosures controlled by Elo specifications and tooling
- Future-generation panels can be phased-in without external changes
- Multiple mounting options
- Downloadable 3-D electronic design files for a perfect fit in your cabinet
- Worldwide agency approvals, plus factory support in total system approvals
- Warranty service in your region



Revolutionary iTouch CRTs

CRTs still have a place in markets where price is paramount and repairs must be local. Elo's unique iTouch "touch-on-tube" technology eliminates the overlay to preserve 100 percent of the original picture quality. That means up to 80 percent less reflection and no overlay to break. And true flat versions look as good as any LCD.

You really can have the best of all worlds with iTouch—ultimate picture quality and superior touch performance at a lower price!



Custom Monitors

Elo's 3D (Discuss, Design, Deliver) team is a great resource for your specialized requirements. If our standard line of Elo touchmonitors doesn't provide one that's a perfect fit, our product design experts can build you one that is. Elo can also produce a drop-in replacement for your existing monitor, with both hardware and software compatibility along with the added benefit of Elo's touch technology.



Elo gaming monitors are certified, declared to conformity, or designed to meet the following standards as a complete system: FCC Part 15 Class B, ICES-03 Class B, VCCI Class B, C-Tick Class B, UL 60950, C22.2 60950-00 (cUL), TÜV Bauart EN 60950: 1992+A1/A2/A3/A4/A11, CE EMC Emissions Class B (EN 50081-1, EN 55022), Immunity (EN 50082-1, EN 55024), Low Voltage Directive, Safety (EN 60950), EN 61000-3-2 Class A, EN61000-3-3, EN 61000-4-2 Electrostatic Discharge, EN 61000-4-3 Level 2, EN 61000-4-4 Level 2, EN 61000-4-5 Level 3, EN 61000-4-6 Level 2, EN 61000-4-8, EN 61000-4-11, UL 22 Amusement and Gaming Machines, Nevada State Regulation 14; Technical Standards for Gaming Devices #1.020 Electrical Interference Immunity, #1.090 Safety, Part 5.1.1 ESD, Nevada State Requirement for AC 40 kV/500 MHz, CB Report & Certificate (all member deviations), Demko D Mark, and CCC.



Touchmonitors for applications throughout the casino

Besides the extensive line of monitors available to game manufacturers, Elo offers a complete line of monitors for other areas of the operation. Elo has touchmonitors ideally suited for gaming management, as well as retail and hospitality POS systems and loyalty kiosks.

Lottery

Elo offers specialized touchmonitors for both employee-activated lottery POS systems and public VLTs. Elo also supplies touch technology to some of the largest lottery OEMs in the world.

Touchcomputers and bingo

Our new all-in-one touchcomputers offer a complete system in the footprint of a standard desktop monitor. Silent, fanless, elegantly styled, and space saving, they are a perfect fit for bingo halls and many other applications.



Elo touchmonitors and touchcomputers are available with peripheral options including magnetic stripe readers, various rear-facing customer displays, and biometric fingerprint readers. Sizes shown range from 12" to 19". Sizes above 32" are also available.

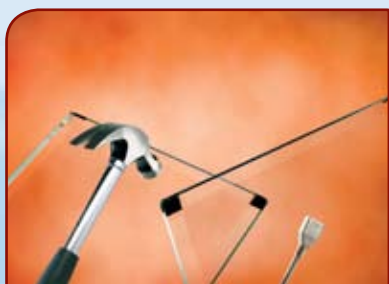
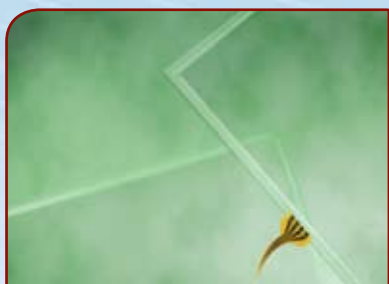
All Elo desktop touchmonitors and touchcomputers are designed for touch from the ground up, with features like these:

- **Spill-resistant sealing**
- **Stable tilt bases that are removable or reversible for wall mounting, with mounting holes for tabletop security**
- **Full connectivity incorporated in the monitor including USB hub**
- **Cables hidden from user view**
- **Controls on the side rather than the front, plus lockout function for public use**



Unrivalled touch technology

Elo is the leader in touch technology with eight product lines to suit your application requirements.



Elo surface wave

An outstanding player's experience yields increased coin-drop. In independent comparative tests, players simply preferred Elo's surface-wave touch technology.

- Extremely fast, sensitive touch response
- The most accurate touch, even for small targets like internet hyperlinks
- Drift-free performance, not affected by surrounding metal or poor earths
- Never an incorrect or averaged double-touch from two players
- Ultimate picture quality and light transmission, with no metallic layers or coatings
- Minimized reflections from overhead lights
- Z-axis for pressure adds a new dimension to games

Only Elo offers clear glass IntelliTouch and iTouch "touch-on-tube" surface-wave technology. And only Elo has **recently patented true flat surface-wave technology** with the transducers on the *back* of the glass.

Elo capacitive

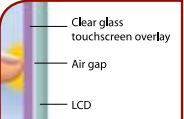
Elo capacitive touchscreens provide a solution for customers seeking an alternative to the currently available capacitive options. The Elo-designed controller is drop-in compatible with both industry standard protocols, and the touchscreens feature Elo's advanced Z-border, a patented linearization electrode pattern. With the addition of capacitive touchscreens, Elo is firmly positioned as the primary single-source solution for all mainstream touch technologies.

How touch systems work

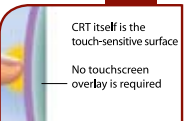
Both IntelliTouch and iTouch are surface-wave touch technologies. IntelliTouch is applied on a piece of clear glass that is then integrated into an LCD; iTouch is applied directly on the CRT faceplate. The controller develops a digital map of the glass using ultrasonic waves in the surface. A bare or gloved finger absorbs a portion of the waves travelling across the surface and the resulting change in the received signal is analysed by the controller and digitised into X and Y coordinates. A third coordinate—Elo's unique Z-axis—senses pressure by measuring how much signal is absorbed.

Elo's capacitive technology consists of a uniform conductive coating on a glass panel. During operation, electrodes around the panel's edge evenly distribute a low voltage across the conductive layer, creating a uniform electric field. A touch draws current from each corner. The controller measures the ratio of the current flow from the corners and calculates the touch location.

IntelliTouch



iTouch



Capacitive



Switch to Elo for a higher standard

Experience what more and more gaming professionals have discovered:

- Elo monitor quality has set a new standard in the market
- Elo surface wave lasts longer than other technologies—no issues with recalibration or scratches (that's why no aftermarket even exists for replacement Elo overlays)
- Benefit from local customer service and support in your language, from product conception to rollout and beyond
- Our compliance engineers assist as needed for your total system approvals
- Pull from stock in a warehouse near you or pick up directly at our factory
- Get Elo expertise backed by Tyco International, one of the world's largest companies

■ Visit our web site devoted to gaming: www.elogaming.com

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Connect right now, choose your product, then give us a call!

- Complete product specifications for comparison
- Downloadable drawings, agency documentation, and other tech info
- Drivers and programming tips
- Press releases
- Success stories

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