

2150 Optical Touch Screen



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NextWindow's 2150 solution converts most large format displays (LCD, plasma or projection) into a high-performance touch screen. This model utilizes NextWindow's latest passive-border technology (patent-pending), which radically reduces the quantity and complexity of electronic components. The result: easy assembly, high reliability and lower costs.

NextWindow's optical touch technology is the solution for high performance, cost effective requirements. Exceptional clarity of image, low power consumption and improved resistance to environmental conditions are advantages you can count on from the 2150.

Expect the convenience of traditional touch functions (point-and-click, drag-and-drop) and the flexibility of multi-touch gestures (pan, pinch, double-tap, scroll).

The 2150 is Microsoft Windows 7 compatible and multi-touch capable with a simple driver download.



Features

- > Sizes: 30" to 120"
- > Clear glass; maximum clarity
- > Light touch; no pressure required
- > Any touch; finger, gloved hand or pointer
- > Supports multi-touch
- > Calibration; once-only, four-points with no drift
- > USB; one cable for power and communications
- > Orientation; landscape or portrait

Specifications

Available size	Standard: 30" to 67," custom: up to 120"
Glass	4 mm or 6 mm tempered glass (recommended)
Frame color	Standard black anodized
Construction	Aluminium, zinc, acrylic, annealed polycarbonate, PVC, FR4 fibreglass printed circuit boards and tempered glass
Luminous transmission	88-89% typical with clear glass; 100% with no glass
Touch technology	NextWindow optical imaging (no special surface coatings)
Touch method	Finger, gloved hand or any other pointer. Stylus minimum diameter 6 mm (for 40" screen)
Touch activation force	No pressure required
Touch accuracy	± 2 mm (for 40" screen) over 90% of the touch sensitive area, USB reported touch resolution 32767 x 32767
Touch durability	Unlimited
Touch response time	9 ms to 22 ms depending on configuration, typical response time 14 ms
Environment	Operating temperature: 0°C to 45°C; Storage temperature: -25°C to 85°C Operating humidity: 10% to 90% RH, non-condensing; Storage humidity: 10% to 90% RH, non-condensing
Power supply	USB from powered hub, enumeration requests 350 mA
Calibration	Four-point driverless calibration (requires no software), automatic landscape/portrait orientation detection. Windows utility available for setup and configuration. Mac utility provided for calibration only.
ESD	Per EN 61000-4-2 1995: Level 4, contact discharge 8 kV, air discharge 15 kV on USB connector pins
EMC	EN55022, EN55024, CISPR 22, CISPR 24
Interface	USB 1.1 (full speed), HID compliant, plug-and-play compatible
Operating systems	Windows 2000, XP, Vista, Windows 7 (multi-touch requires driver), Mac OS X, and Linux (requires evtouch)
Connection options	Standard: USB Series A plug and Neltron 4-way connector on separate flying leads. Includes a small external PCB that provides a hardware calibration button. Optional: Separate PCB with serial port, 12 Vdc power input, and calibration button
Software	A driver provides multi-touch support on Windows 7, extending the standard plug-and-play capabilities. NextWindow Touch+ software provides additional utilities
Warranty	1 year parts and labor

Specifications subject to change without notice

