

2500 Large-Format Optical Sensor



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Designed for large-format display applications, the new NextWindow 2500 touch screen kit now has thinner borders and a lower profile. The 2500 may also be purchased fully assembled on glass.

Key Benefits

- The low-component optical sensor uses a passive illumination system around the perimeter to improve reliability and simplify assembly.
- The 2500 kit includes all of the components required to assemble a touch screen including optical sensors, controller board, and passive border.
- The kits do not include glass—which significantly lowers transportation costs—and come in standard sizes that can be cut to fit custom sizes, reducing inventory risk.
- The 2500 can be easily incorporated into the display bezel for enhanced industrial design and better performance with minimum profile height.



Additional Features

- > Sizes: 30" to 52"
- > Superior durability
- > Compatible with any display technology
- > Multi-touch compliant

Specifications

Available size	30" to 52"
Glass	4 mm tempered glass (standard) if supplied by customer. Optional: NextWindow-supplied 4 mm tempered glass
Luminous transmission	88-89% typical with clear glass
Touch technology	NextWindow optical imaging (no special surface coatings)
Touch method	Finger, gloved hand or any other pointer. Stylus minimum diameter 7 mm
Touch activation force	No pressure required
Touch accuracy	± 3.0 mm over 90% of the touch-sensitive area
Touch durability	Unlimited
Environment	Operating temperature: 0°C to 50°C; Storage temperature: -25°C to 65°C Operating humidity: 10% to 90% RH, non-condensing; Storage humidity: 10% to 90% RH, non-condensing
USB reported touch resolution	32,767 x 32,767
Touch Screen Profile	Profile height of optical sensors and passive border <6 mm from surface of glass substrate
Controller Board Dimensions	71 mm x 16 mm x 5 mm
Touch Functions	Mouse (Left click, left drag, left double-click and right click); Touch digitizer (flicks, handwriting and visual feedback); Windows 7 multi-touch gestures (zoom, rotate, pan with inertia, tap, and press-and-tap)
Power supply	USB powered; 100 mA maximum
Calibration	Once-only, four-point calibration with no drift
Interface	USB 1.1 (full speed), HID compliant
Operating systems	Driver supports Windows XP, Windows Vista and Windows 7
Product Options	The touch solution can be supplied as a kit of components (optical sensors, passive border and controller board) ready to be assembled on a glass substrate or a fully assembled touch screen including glass
Warranty	2-year limited warranty

Specifications subject to change without notice