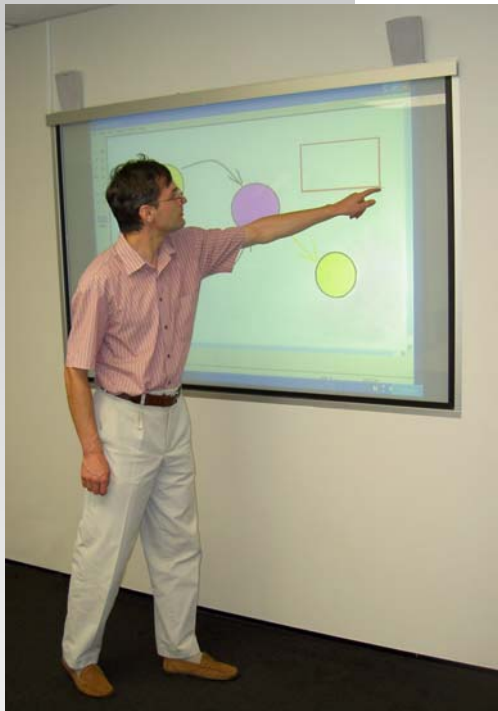


2900 Interactive Whiteboard Kit



NextWindow's 2900 interactive whiteboard kit provides components for manufacturers to touch enable any flat surface used for front or rear projected images.

The 2900 kit includes NextWindow's optical imaging touch technology, which, in conjunction with projection equipment, allows companies to build custom-sized interactive whiteboards—enabling highly effective tools for teaching and presentation in classroom, conference or boardroom environments.

You can operate writing, drawing and presentation software simply by moving your finger across the screen. All standard mouse functions are supported—click, right-click, double-click and drag. You can draw, write, move/edit objects and scroll through menus.

You can project any software, such as a spreadsheet or animation, and operate the program by touching the screen. In addition, high-quality, specialised interactive whiteboard applications are readily available.

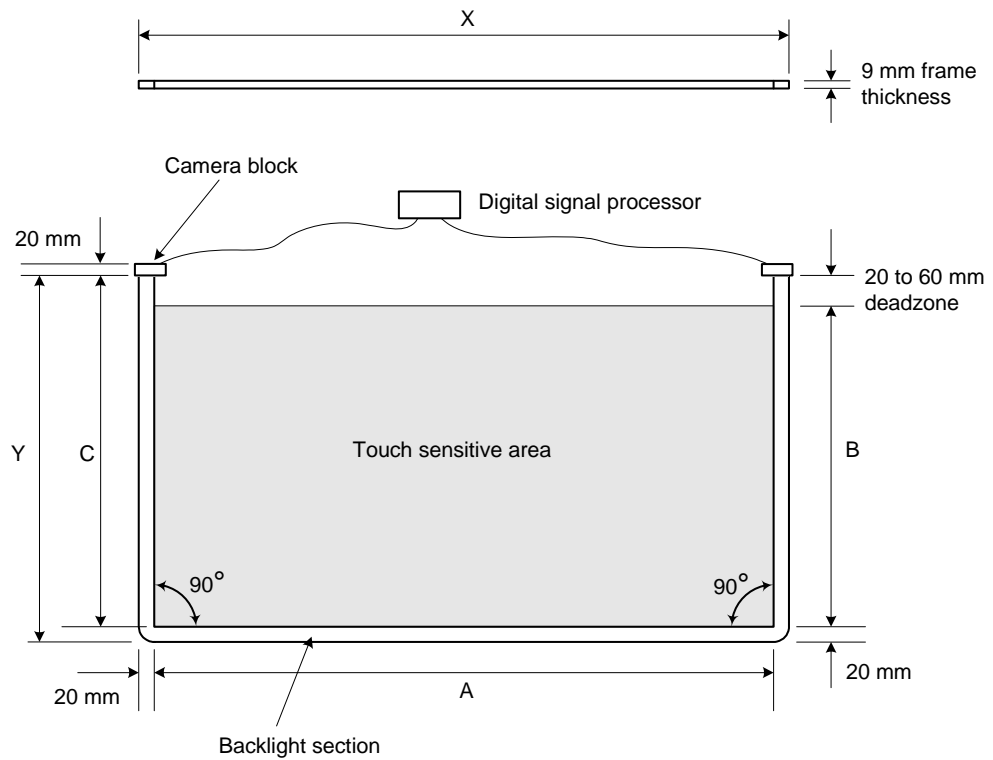
Typical Applications

- Boardrooms
- Conference Rooms
- Interactive Education

- Touch-controlled mouse functionality over the whole screen.
- Light touch—no pressure required.
- Any touch method can be used—finger, gloved hand or pointer.
- Front or rear projection.
- Serial interface or plug-and-play USB connection.
- Any surface can be used including glass or standard whiteboard.

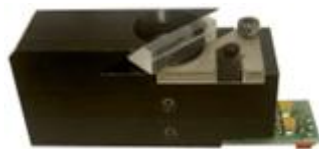
2900 Interactive Whiteboard Kit

Components



NextWindow 2900 Interactive Whiteboard Kit includes the following components:

- Backlight frame (three parts, aluminium extrusion incorporating LED PCBs)
- Two camera blocks incorporating optical components
- Digital signal processor
- Power supply unit



Camera block



Digital Signal Processor

Notes

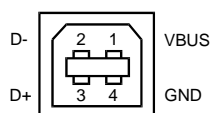
- The above diagrams are for illustration only and are not to scale.

2900 Interactive Whiteboard Kit

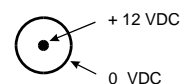
Specifications

Dimensions	The frame sections are made to suit the manufacturer's whiteboard design. For drawings and dimensions of components, see our website www.nextwindow.com
Touch surface	Any durable surface suitable for front or rear projected images
Frame colour	Standard: silver or black anodised. Other colours available on request
Construction	Aluminium, nylon, opal acrylic, EMX 503 filled nylon, annealed polycarbonate, PVC and PCBs
Touch technology	NextWindow optical imaging—no special surface coatings
Touch method	Finger, gloved hand, or any other pointer
Touch activation force	No pressure required
Touch accuracy	± 5 mm (for 100" screen) over 90% of the screen USB reported touch resolution 32767 x 32767
Touch durability	Unlimited
Touch response time	Typically 71 touches per second (14 ms) for single touch with no ambient synchronisation
Environment	Temperature Operating: 0°C to 55°C Storage: -25°C to 85°C Humidity Operating: 10% to 90% RH, non-condensating Storage: 10% to 90% RH, non-condensating
Power supply	+12 VDC, nominal (+11.5 V to +12.5 V) 250 mA rms (peaks of 1 A for 8 ms), typical at +12 VDC. Average power dissipation is 3 W. Supply must be capable of providing 500 mA minimum Total noise and ripple requirement must be less than 100 mV for frequencies below 1 MHz, and less than 50 mV (p-p) for frequencies above 1 MHz (As supplied, part number 302140000. Input: 90-263 VAC 47-63 Hz. Output: +12 VDC 3.5 A.)
Reporting speed	10 ms per coordinate set (max) Typical 15 ms (66 updates per second)
Calibration	USB: simple four-point driverless calibration Serial: simple four-point calibration with NextWindow SerialConfig software Automatic landscape/portrait orientation detection
ESD	Per EN 6100-4-2 1995: Level 4. Contact discharge 8 kV, air discharge 15 kV on USB connector pins
Interfaces	USB: 1.1 (full speed), HID compliant, plug-and-play compatible Serial: RS232 DB9 connector
Operating systems	Windows XP, Mac OS, Win 2000, Linux.
Software	No software required for USB. Works with Windows native HID mouse driver NextWindow Serial Runtime software required for serial interface NextWindow Touch+ software provides additional utilities.
Warranty	1 year parts and labour

Note: specifications subject to change without notice.



USB Series B receptacle as specified in section 6.5 of the USB specification, version 1.1



12 VDC positive centre power connector



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