



Crystal Touch® - Multi
HIGH RESOLUTION, ***CALIBRATION FREE***
OPTICAL TOUCH SCREEN FAMILY

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Crystal Touch® is a high resolution, high brightness, fast response, cost-effective, optical touch screen system that turns any flat surface into an interactive surface. Scalable, and mechanically simple to integrate, Crystal Touch® incorporates high resolution linear sensors and patented continuous waveguide illumination technology to deliver high levels of accuracy and resolution with mouse/handwriting recognition control.

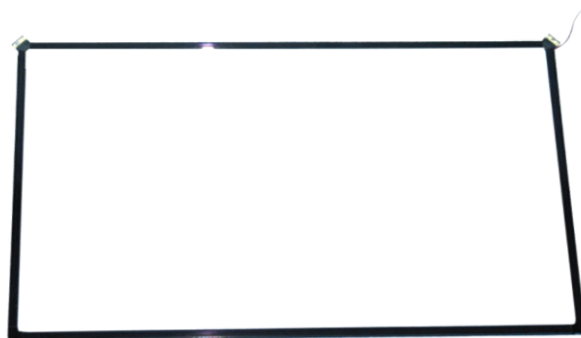
Lumio's Crystal Touch® screens all come with our 'plug and play' Dual Control functionality and our unique patented NO CALIBRATION capability. These additional features allow for a number of dual touch finger motions to be pre-defined in the system (rotating images, zooming in and out etc.) adding functionality and enhancing the user experience. Lumio's Crystal touch is Win7 Logo Certified, supports Linux and MAC.

Key Features

- ❖ High resolution
- ❖ High accuracy
- ❖ Fast reporting rate
- ❖ Very low latency
- ❖ Dual Touch Windows 7 Certified and Dual Control for non Win7 environment , single user
- ❖ Glass transparency, no absorbing layer, no haze
- ❖ High clarity and color fidelity
- ❖ Activated by any object; finger, glove, pen/stylus etc.,
- ❖ No calibration is required
- ❖ Automatic Self Calibration Feature (Automatic Drift Correction)
- ❖ No aging or temperature drift
- ❖ Long lifetime with high reliability
- ❖ Scratches do not effect performance
- ❖ Light touch with no pressure
- ❖ USB-HID_Digitizer and/or USB-HID mouse
- ❖ Two simultaneous hand writing for white board applications

Typical Applications

- ❖ Consumers Products
- ❖ All in one computers
- ❖ Consumers LCDs Panels
- ❖ Consumer LCD Monitors
- ❖ Digital Signage
- ❖ Gaming machines
- ❖ Medical
- ❖ Command & Control
- ❖ Consumer Electronics
- ❖ ATM/POS
- ❖ White Boards



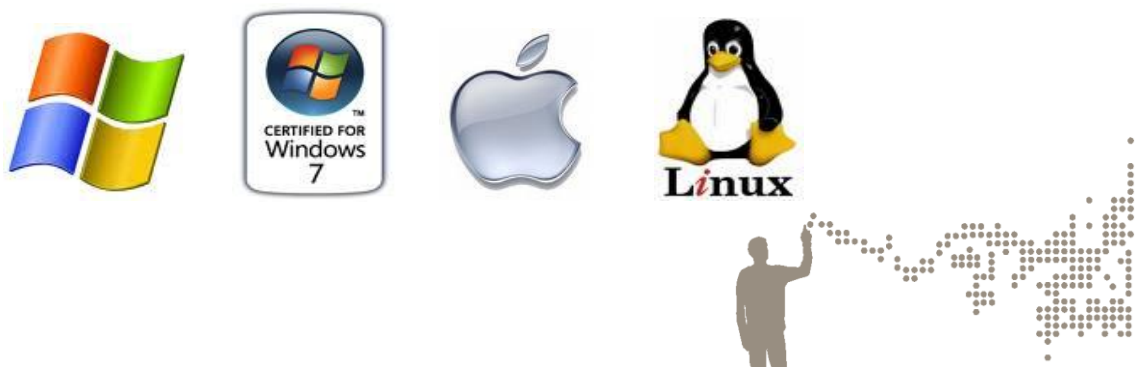
 **Specifications**

Power Supply	USB 65mA-110mA 90mA*
Touch Method	Finger, Glove, and Stylus or any pointing device with 3mm diameter or above
Touch Activation	No Pressure required
Touch Durability	Unlimited
Touch Accuracy	0.3mm to 2.5mm, 0.5mm typical*
Resolution	12 Million Points over the touch area
Frame Rate	70-100fps
Reporting Rate	5-10 ms
ESD	Contact Discharge 8kV, air discharge 15kV
Environment	Temperature Operating: -5°C to 65°C Storage: -25°C to 90°C Humidity 10% to 90% RH, non-condensing
Transparency	>92% including glass overlay
Sealability	NEMA 4 and IP65 Standards ready
Communication	USB-HID Digitizer or USB-HID Mouse
Bezel Height	4mm height
Operating System	all Windows, Linux** (most distribution) and MAC (Factory calibration in Windows)
Two simultaneous Touches Windows 7 Certified	
Supports Extended Desktop of up to 64 screens	

* Dependant on Panel Size

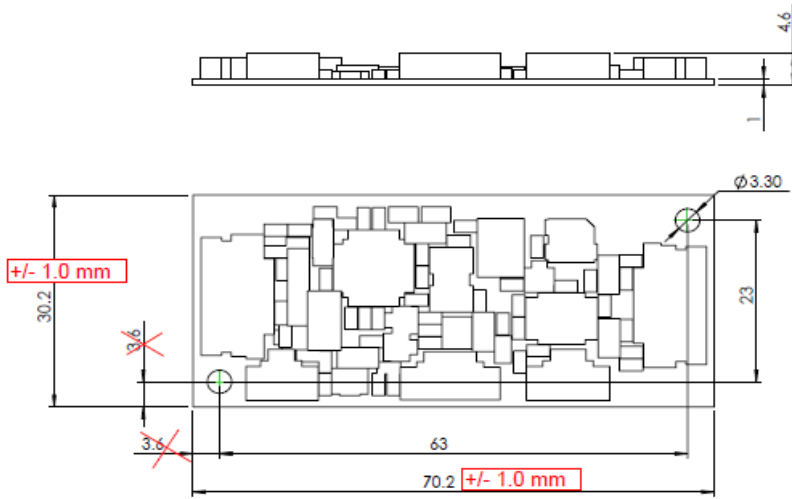
** Tested on most Linux distributions

Crystal Touch® Manager software is required to enable certain features

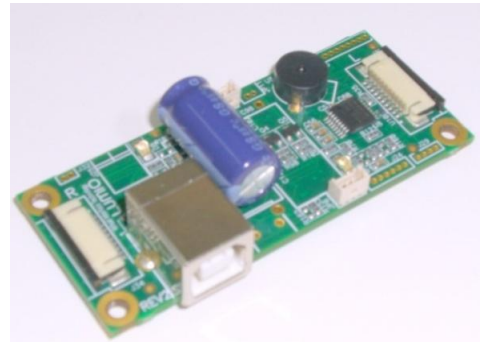
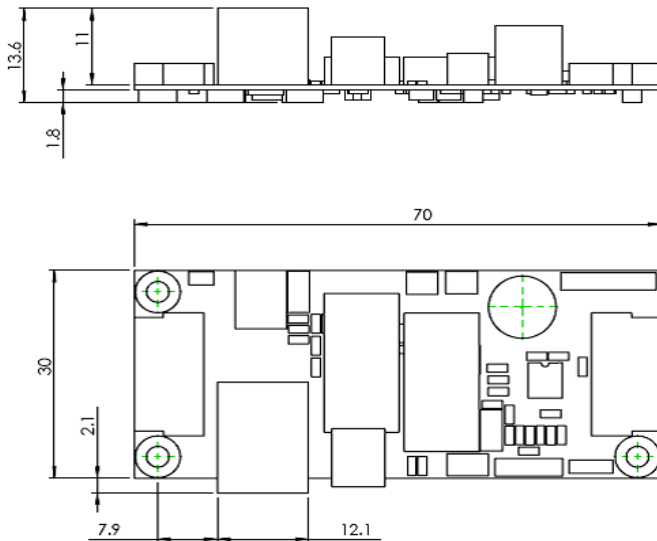


Controller Dimensions

70.2x30.2x4.6mm



70x30x13.6mm



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