INFRARED TOUCH SCREEN

The Latest In Touch Technology

Benefits:

- *Low profile, high resolution*
- *No parallax*
- *Highest clarity*
- *High durability, vandal resistance, and safety*
- *Sealable from contaminants*
- *Operates in extreme environments*

Description

The new Infrared Touch Screen is a touch frame which is installed in front of the display screen. The frame is integrated with a printed circuit board which contains a line of IR-LEDs and photo transistors hidden behind the bezel of the touch frame. Each IR-LEDs and photo transistors are hidden behind the invisible infrared light. The bezel shields the parts from the operation environment while allowing the IR beams to pass through.

The Infrared Touch Screen controller sequentially pulses LEDs to create a grid of IR light beams. When a user tuoches, the screen enters the grid by a stylus which can interrupt the IR light beams. The photo transistors from X and Y axes detect the IR light beams which have been interrupted and transmit exact signals that identify the X and Y axes coordinates to the host.
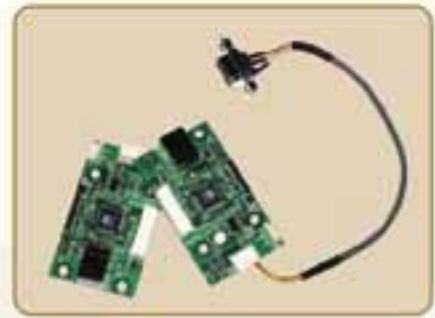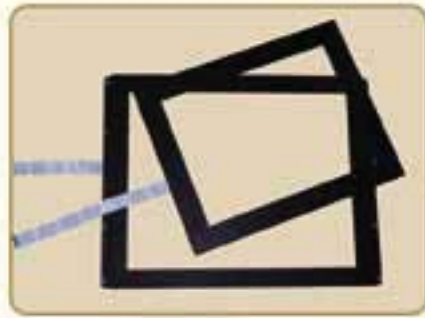
Infrared Touch Screen Benefits

100% light transmission, no overlay covering the display screen(protected glass is optional)
Almost all types of stylus materials can be used with Infrared Touch Screen, Infrared is the latest and most reliable touch screen technology.
The lifetime of the Infrared Touch Screen is much longer, with more stable operation.

Ideal Applications

Indoor Kiosks, Ticketing Machines, Medial Instrumentation, Process Control Systems.
Atms, hospital Operating Rooms, Commercial Transportation, Large Plasma Displays.

NEXIO

Specifications

MECHANICAL	
Input Method	Finger or gloved hand activation

ELECTRICAL	
Position Accuracy	Typical centroid accuracy 2.5mm
Resolution	Touch point density is based on controller resolution of 16,384x16,384
Touch Activation Force	No minimum touch activation force
Operating Voltage	DC 5V
Power	0.6W(Current) 120mA at DC 5V

PANEL	
Transmission	92%, Up to 100%
Response Time	>10ms
Touch Intensity	Over 60,000,000 single point touch
Thickness of Glass	3.2mm with anti-vandal

ENVIRONMENT	
Temperature	Operating -20 °C to 85 °C Storage -40 °C to 85 °C
Humidity	Operating -20% to 85% Storage 0~95%
Altitude Operating	3,000m
Seal Ability	Can be sealed to meet NEMA4 and IP65 standard.
Interface	RS232(C)/USB
Multi monitor	Split, Dual, multi monitor support
Drift	No drift
Mouse click	Right click function support
Available size	15" to 56"(custom size for OEM available)
Warranty	5 years

※ Note : The specification subject to change without prior notice.

By :