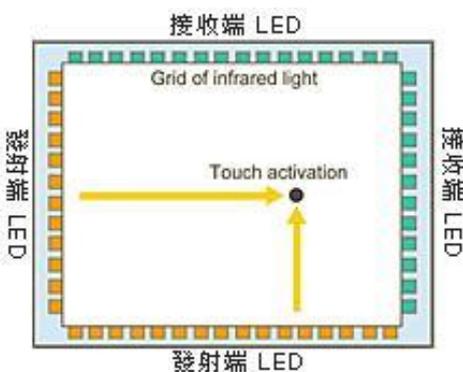


Gtouch Introduces Infrared Ray Touch Screen

Gtouch Infrared Ray Touch Panel has both built-in and add-on types. The GIR Series (Infrared Ray) touch screen size is from 15" to 200". Built-in type can provide thin and light mechanical design. Add-on IR touch panel can provide convenient and easy installation and support multi-touch (two points) under Windows 7. It also can upgrade a normal TV to an interactive TV. **Long life-span, high transmission (> 92%), and light operating force (> 0g)** are also its characteristics.

This product is good for conference room presentation systems, schools multimedia interactive education system, metro / tram / exhibitions ticketing kiosks, outdoor exhibition kiosks / tour guide systems, ATM cash machines, wafer testing machine, IC testing machine, PCB exposure machine and so on.



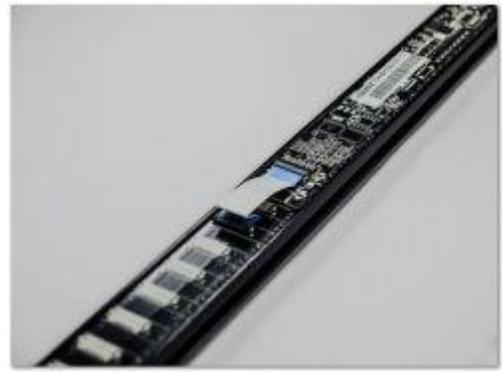
Infrared touch screens operate on the mechanism of infrared LEDs arranged in arrays on two adjacent bezel edges of the PCB with photo sensors placed on the two opposite edges functioning as transmitters and receivers. The LEDs emit infrared rays simultaneously to form a grid of rays across the display. When the user wishes to send a signal through touch, he/she can do so by interrupting the light beams with a physical object. Since every infrared LED is independent, the touch screen is able to achieve positioning by analyzing the decrease in light at the corresponding photo sensors. The signal is then processed by the control circuitry and sent to the PC for the coordinates of the touch event to be displayed on screen or to be utilized by other software for relevant signal operation.

Since infrared touch screens operate by detecting interrupted infrared light beams, a touch event can be registered without requiring contact at the overlay. Its strengths include high sensitivity, wear resistance (with glass overlay that reaches 7H in scratch hardness), a long lifecycle of over 300 million repetitive touches at a single point, over 95% transmittance, and the LEDs have a basic lifecycle of 50,000 hours.

Our standard dimensions are 42"/ 46"/ 55"/ 60"/ 65"/ 70"/ 82", and our production capabilities are able to accept custom orders for infrared touch screens in various dimensions from 6.4" to 240". Based on the requirements for specific application, the number of LEDs can be adjusted according to increase response speed or increase density for applications involving drawing, writing or as a sensor for gaming applications. We can also provide PCBA boards, overlay infrared touch panels, and ordinary touch panels on request.

Strength of Gtouch infrared ray touch screen:

- real touch 4-10 points
- high practicality, resistance to ambient light
- precise positioning stability
- cross-platform multi-operating system, Plug and Play
- Unintentional touch rejection algorithm is protected our patented intelligent
- extend the product life and energy-saving / innovated scanning technology
- thin border mechanism design



For more product information about Gtouch infrared ray wave touch screen, please email to sky@gtouch.com.tw.

About Gtouch

Groovy Technology, established in 1995, is an organization of professionals dedicated solely to the touch screen industry. With the brand of "Gtouch," Groovy Technology manufactures and markets **4W/5W resistive touch screen, Capacitive touch screen, surface acoustic wave touch screen, infrared ray touch screen, optical touch screen, add on single touch screen, touch monitor and touch controller** all over the world.

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