

U-Touch



Infrared



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- **Maintenance and calibration free**
- **High Resolution**
- **Water and dust resistant**
- **Vandal resistant construction**
- **Free of interface**
- **Extreme reliability**
- **High clarity**
- **High environmental adaptability**
- **Long life expectancy**
- **Minimal error in operation**
- **Custom and bespoke sizes**

The fifth generation Infrared U-Touch technology enhances Infrared's traditional advantages such as high clarity, maintenance free, exceptional ruggedness, and new breakthrough with ability to work in high ambient light environments.

U-Touch Infrared technology lends itself to a wide range of touch enabled applications including customer retail sites, information kiosks, gaming & leisure, and self-drive multimedia programmes.

The U-Touch frame can be easily retro-fitted over most of the leading brand LCD and Plasma panels, as well as applied to custom kiosk fit outs. Furthermore the protective glass layer can provide a splash proof interface for the best demanding public areas. We can cater for IP65 rated projects, where weather proofing is essential.



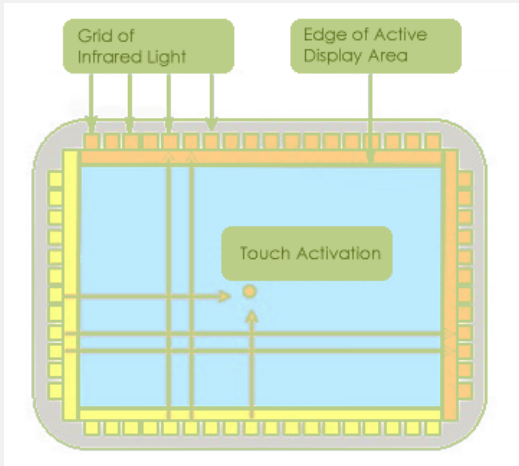
Interactive touch screens for large format displays

U-Touch



Infrared Specifications

General Specifications



The U-Touch screen is a frame with embedded IR-LEDs and photo transistors hidden behind the bezel of the touch frame. Each of the IR-LEDs and photo transistors is set on the opposite sides to create a grid of invisible infra-red light. The touch screen controller pulses the LEDs to create a grid of IR light beams. When the screen is touched, this creates an interruption in the light beam which is measured by way of an X and Y coordinate which is sent back to the host computer.

Construction	Aluminium, mild steel, tempered safety glass
Bezel colour	Silver, optional colours available
Luminous transmission	Between 92 and up to 100%
Viewing angle	160 degrees
Aspect ratio	16:9
Operating voltage	Less than 2W (current less than 200 mA)
Power supply	Keyboard serial interface, less than 1W
EMI	CE Certified
Communications	RS232 serial port
Touchscreen type	Infra red matrix
Resolution	Up to 4,096 by 4,096
Touch activation force	No minimum force required
Response time	Less than 16 ms
Durability	Over 60 million single point touch
Driver Support	Windows 98/2000/XP/Linux
Operating temperature	-41 to 70 degrees C
Storage temperature	-50 to 85 degrees C
Vandal-proof	Steel ball (dia. 63.5mm, 1040 g) drop from 1040 mm without breaking
Operating Altitude	3,000 metres durability
Sealability	IP65 rated (optional)
Drift	No drift
Life Time	7-Year
Warranty	2 Years parts & Labour

Models

LCD - UT30IR, UT32IR, UT40IR, UT46IR

Plasma - UT42IR, UT50IR, UT61IR, UT84IR

U-Touch screen frames are compatible with most plasma and LCD models from leading brands.

What's included

- Interactive touch screen frame
- Built in controller interface
- Connecting cables
- Mounting brackets
- Touchscreen drivers

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