

U-Touch

Interactive touch screen for large format displays



Fifth generation infra red technology

U-Touch fifth generation infra red touch technology enhances infra red touch screen traditional advantages such as high clarity, maintenance free, exceptional ruggedness, and new breakthrough with ability to work in high ambient light environments.

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

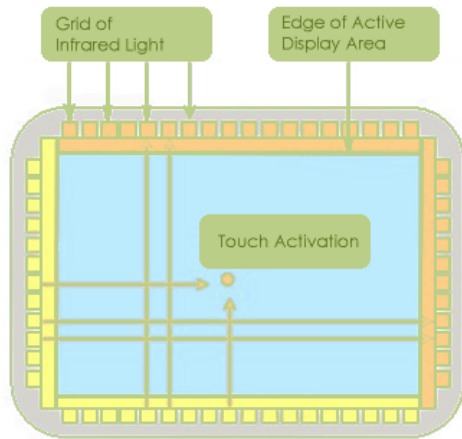
The U-Touch frame can be easily retro-fitted over most of the leading brand LCD and plasma panels, as well as applied to custom kiosk fit outs. Furthermore the protective glass layer can provide a splash proof touch interface for the most demanding public areas.

- **Maintenance and calibration free**
Touch screen unaffected by temperature and other environmental factors. Reliability means increased customer satisfaction.
- **High Resolution**
Standard resolution is 4096 by 4096 can easily handle the most demanding applications.
- **Water and dust resistant**
Touch screen sealed to the IP65 standard, meaning that the screen is resistant to splashes and contamination. Suitable for use in changeable environmental conditions.
- **Vandal resistant construction**
Engineered to be rugged and durable with no fragile components or overlay film which could be prone to damage.
- **Free of interference**
Employing recently developed optical and mechanical mechanism now means no interference from ambient light and other sources of interferences.
- **Extreme reliability**
Use of redundant circuitry design means that a secondary circuit seamlessly takes over in the event of primary circuit failure. Ideal for mission critical applications.
- **High Clarity**
No film or conductive layers. Unsurpassed clarity, with light transmission between 92 and 100%.
- **High environmental adaptability**
Most suited for widest range of working environments. Can be used in extreme temperatures (-41 to 70 Celsius). Unaffected by rain or snow conditions, and ability to withstand deliberate misuse with hot liquids or cigarettes.
- **Long life expectancy**
Unaffected by intensity and frequency of use. Long life components ensure increase in working life.
- **Minimal error in operation**
Easily identifies main touch when subjected to multiple inputs. Only the moving object will be considered as a valid touch.
- **Custom sizes**
In addition to standard panel sizes, U-Touch offers custom solutions for display sizes up to 100" diagonal, including rear projection installations.

Technology for keeping in touch

U-Touch

Interactive touch screen for flat panel displays



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.

Models

LCD - UT301R, UT321R, UT401R, UT461R

Plasma - UT421R, UT501R, UT611R, UT841R

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

U-Touch Ltd

London

United Kingdom

Tel: +44 207 731 6681

E-mail: info@u-touch.co.uk

Web: www.u-touch.co.uk

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

General Specifications



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