

## Infrared Touch Kits

### Cost Effective Touch Solution for Midsize and Large Displays

Infrared touch technology makes use of infrared light beams to detect the touch. A matrix of infrared beams ray over the panel. When an object blocks a light beam, a phototransistor will detect that and register the location of the touch.

The technology is a cost effective solution that features multi touch availability, can work on larger panels and can detect wet fingers or dirty gloves. IR touch kits can detect anything that can block the lights, so it is highly susceptible for the wrong detection of dust or insects. Direct sunlight can also affect the sensing capability.



### Integrated, Ready-to-use Design

Eurocoin's infrared touch partner, Beijing IRTouch's product range includes low profile infrared touchscreens with integrated controller inside the bezel. They are designed to fit onto LCD monitor, featuring superior image quality, scratch proof, waterproof, maintenance free operation. Low to no EMI impact to surrounding systems and sunlight operability make these touchscreens an ideal choice for many interactive applications such as POS, industrial, ATM and medical and kiosks.

#### Recommended Applications

- POS
- Point of information Displays
- Industrial Machinery
- Self Service
- Medical
- Exhibits and Museums

#### Product Features

- Vandalproof
- Maintenance Free
- Integrated controller
- Fast response speed

#### Benefits

- No film overlay, preserves optical clarity
- Fast response speed
- Can register touch by finger, glove or pen > 8mm diameter
- Maintenance-free
- Vandal proof tempered glass
- P65 (in front panel)
- Operable in various light conditions, indoor and outdoor
- No need for extra controller integration
- Designed to work from -20°C to 70°C
- Designed to last
- Ultra-high precision
- Long lifetime
- Plug and play operability
- Custom frame options
- Custom sizes available

## Technical Specification

### System Performance

Touch Inputs	1 to 10 points
Input Method	Finger, gloved hand or any other opaque stylus
Accuracy	<1.5 mm (central area), <2.5mm (edge area)
Resolution	32767 x 32767
Glass	Solderless Design
Light Transmission	<88%

### Electronics

Communication	USB HID
Power Connection	USB
Connectors	USB Type A
Power Consumption	<1.5W

### Operating System Supported

Windows (XP\7\8.1\10)
Linux (≥2.6)
Android
Vxwork (≥6.5)

### Mechanical

Total Thickness	6.8 mm—8 mm
Graphics	Black Border
Display Size	10.4" to 86"
Sealing	IP65 on front
RoHS Compliant	Yes

### Reliability

Ambient Light Tolerance	Direct Sunlight illumination ≤32.5K Lux (Non-Direct) Sunlight illumination ≤100K Lux
EMC	CE, FCC Class B Compatible
Operating Temperature	-20°C to +70°C

### Part Numbers

Size	Touch Points	Thickness	Interface
10.4"	Single / Dual	6.8 ±0.5	USB
12.1"	Single / Dual	6.8 ±0.5	USB
15.1"	Single / Dual	6.8 ±0.5	USB
15.4"	Single / Dual	6.8 ±0.5	USB
17.1"	Single / Dual	6.8 ±0.5	USB
19.1"	Single / Dual	6.8 ±0.5	USB
19.1"	Single / Dual	8.0 ±0.5	USB
21.6"	Single / Dual	8.0 ±0.5	USB
24.1"	Single / Dual	7.9 ±0.5	USB
27"	Multi	8.0 ± 0.5	USB
32"	Multi	8.0 ± 0.5	USB
43"	Multi	8.0 ± 0.5	USB
55"	Multi	8.0 ± 0.5	USB
65"	Multi	8.0 ± 0.5	USB
75"	Multi	8.0 ± 0.5	USB
86"	Multi	8.0 ± 0.5	USB