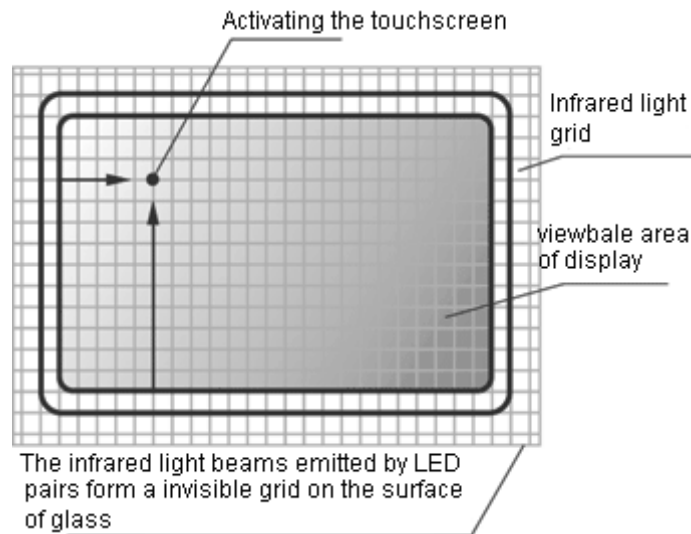


## Why IR Touch?

WebDT's optional IR touch screen instantly turns the WebDT display panels into a large screen interactive display.

Infrared technology uses infrared emitter-collector pairs to project an invisible grid of light a small distance over the surface of the screen. When a beam is interrupted, the absence of the signal at the collector is detected and converted to an X/Y touch coordinate.



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## Why do we feel that IR Touch Screen and Digital Signage is well matched?

### 1. Preserves Original Image

Unlike most other technologies, the Infrared based design offers superb image clarity. The original image quality is preserved because there is no film in front of the display. This preserves the light transmission rate from the display.

### 2. Operate with any Finger or any Object

Imagine having a 47' screen that can be operated with either a finger or a pen or any blunt object. You now have an extremely large panel that you can run interactive applications on.

### 3. Highly scalable

Today's Infrared technology can scale in size up to 150" diagonally.

### 4. Tempered Glass = low maintenance!

With excellent gasket-sealing capabilities, our infrared panels come with tempered glass. This feature is scratch proof, water proof, dust proof, and offers complete operability in the presence of direct sunlight. Therefore IR touch screen is an ideal choice for interactive presentation, public venue kiosks, info center directory, and etc.

### 5. Solid state technology offers long life expectancy

Since Infra red touch technology uses solid state technology and has no moving parts, there are no parts that will wear out over time.

## General Specifications

Size	
General Size	Currently offered in both 37" and 47"
Fit In With	DS3700 and DS4700 Series LCD Panel
Panel	
Transparency	> 92%, Up to 100%
Touch Resolution	Interpolated 4096 X 4096
Scanning Speed	50 scans/s
Minimum Touch object	>5mm
Response Speed	<16ms
Touch Intensity	Over 60,000,000 Single Point Touch
Vandal-Proof	Steel Ball (Diameter 38mm 227g Weight) drop from 200cm, No breakage
Electricity	
Operating Voltage	DC 5V +/-5%
Power Supply	Included
Power	<2W
EMI	CE, FCC
Noises	No Noises
Communication	USB / RS-232 (Included)
Environmental	
Direct Light	No Disturbing
Drift	Maintenance free
Warranty	1-year limited

## Frequently Asked Questions

1. Does IR Touch infrared touch screen need frequent recalibration?

No. The IR Touch screen is very stable and free of drifting and maintenance and does not need recalibration once setup properly. It only needs recalibration when the screen resolution is changed.

2. What Vandal-Proof level can the IR Touch screen reach?

The 3mm tempered screen can reach the following level:

Glass Impact: Steel Ball (Diameter 38mm 227g Weight) drop from 200cm, No breakage

3. What is required for the IR Touch screen operating environment?

Operation Temperature Range: 0C - 60C

Operation Humidity Range: 10 - 90%

EMI: FCC, CE Certificated

4. How do I clean the IR Touch screen?

You can use any kind of glass cleaner element to clean the surface.

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