

# touch screen displays

Freestanding and Wall Mounted IR Multi Touch Screen Displays



These interactive displays are simple to use and have many exciting applications. The brand new range of IR Multi Touch Screen Displays includes mountable units that can be used in both landscape and portrait modes. There are also both landscape and portrait models of our Freestanding IR Multi Touch Screen Displays.

All displays use an infrared multi touch screen system which is ideal for public locations as a finger, gloved hand, pen or stylus can be used as a pointer. Activating the screen requires no pressure so will incur less damage over time. Unlike capacitive touch screens, infrared touch screens do not require any glass patterning. Not only does this improve optical clarity, it also increases its durability. The Multi Touch Screen Displays' protective glass has a Mohs hardness rating of 7, giving it the same hardness as Quartz.



Touch Screen Display Comparison

|                  | Infrared         | Resistive                | Surface Acoustic Wave        | Capacitive                |
|------------------|------------------|--------------------------|------------------------------|---------------------------|
| Touch Resolution | High             | High                     | Average                      | High                      |
| Clarity          | High             | Average                  | High                         | High                      |
| Operation        | Finger or stylus | Finger or stylus         | Finger or soft-tipped stylus | Finger only               |
| Durability       | Highly durable   | Damaged by sharp objects | Damaged by dirt & moisture   | Affected by some cleaners |

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## Wall Mounted IR Multi Touch Screen Displays

| Wall Mounted Infrared Multi Touch Screen Displays |   |                   |                   |                |                  |                     |                 |
|---|---|-------------------|-------------------|----------------|------------------|---------------------|-----------------|
| Display Size                                      | 32"                                     | 40"               | 46"               | 55"            | 65"              | 70"                 | 82"             |
| Unit Size (WxHxD mm)                              | 765.4x455.4x110.9                       | 957.4x557.4x105.2 | 1123.6x667.6x89.9 | 1292x751x118.5 | 1564.4x937x129.6 | 1681.6x1003.6x141.7 | 1953x1163x174.8 |
| Display Area (mm)                                 | 697.67x392.25                           | 887.17x499.66     | 1016.35x570.54    | 1209x680       | 1434x806.6       | 1553.6x875.6        | 1805.76x1015.74 |
| Aspect Ratio                                      | 16:9                                    |                   |                   |                |                  |                     |                 |
| Resolution  | 1366x768                                | 1920x1080         |                   |                |                  |                     |                 |
| Brightness (cd/m2)                                | 450                                     | 500               | 450               | 500            | 700              |                     |                 |
| Contrast Ratio                                    | 5000:1 typ                              |                   |                   |                | 1500:1 typ       | 2000:1 typ          |                 |
| Viewing Angle                                     | 178°                                    |                   |                   |                |                  |                     |                 |
| Colour  | 16.7M                                   |                   |                   |                |                  |                     |                 |
| Response Time (ms)                                | 8                                       |                   |                   |                |                  |                     |                 |
| Colour Temperature                                | 10000k                                  |                   |                   |                |                  |                     |                 |
| Life Time (hours)                                 | 50000                                   |                   |                   |                |                  |                     |                 |
| Power Consumption (W)                             | 120                                     | 240               | 300               |                | 800              | 1080                |                 |
| Inputs  | VGA, HDMI, DVI, YPbPr, Video IN, RGB/HV |                   |                   |                |                  |                     |                 |
| Outputs   | Video, Audio                            |                   |                   |                |                  |                     |                 |
| Touch Resolution (interpolation)                  | 4096x4096                               |                   |                   |                |                  |                     |                 |
| Operating System                                  | Windows7, Windows2000/XP/2003/Vista/CE  |                   |                   |                |                  |                     |                 |
| Response Time (ms)                                | ≤16                                     |                   |                   |                |                  |                     |                 |
| Power   | <2W                                     |                   |                   |                |                  |                     |                 |
| Ports (inputs)                                    | USB                                     |                   |                   |                |                  |                     |                 |
| Typical Touch Accuracy (mm)                       | ≥5.2                                    |                   |                   |                |                  |                     |                 |
| Voltage   | +4.75VDC-5.25VDC                        |                   |                   |                |                  |                     |                 |
| Operating Temperature                             | -20°to 60°                              |                   |                   |                |                  |                     |                 |
| Storage Temperature                               | -40°to 70°                              |                   |                   |                |                  |                     |                 |
| Operating/Storage Humidity                        | 10% ~ 90%RH                             |                   |                   |                |                  |                     |                 |



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## Freestanding IR Multi Touch Screen Displays

| Freestanding Infrared Multi Touch Screen Displays |   |                |              |
|---|---|----------------|--------------|
| Display Size                                      | 40" (Landscape)                         | 46"            | 55"          |
| Unit Size (WxHxD mm)                              | 1040x1070x630                           | 705x1700x127   | 830x1950x159 |
| Display Area (mm)                                 | 887.17x499.66                           | 562.54x1008.35 | 676.4x1205.6 |
| Aspect Ratio                                      | 16:9                                    | 9:16           |              |
| Resolution  | 1080x1920                               |                |              |
| Brightness (cd/m2)                                | 500                                     |                |              |
| Contrast Ratio                                    | 5000:1 typ                              | 4000:1 typ     |              |
| Viewing Angle                                     | 178°                                    |                |              |
| Colour  | 16.7M                                   |                |              |
| Response Time (ms)                                | 8                                       |                |              |
| Colour Temperature                                | 10000k                                  |                |              |
| Life Time (hours)                                 | 50000                                   |                |              |
| Power Consumption (W)                             | 240                                     | 370            | 450          |
| Inputs  | VGA, HDMI, DVI, YPbPr, Video IN, RGB/HV |                |              |
| Outputs   | Video, Audio                            |                |              |
| Touch Resolution (interpolation)                  | 4096x4096                               |                |              |
| Operating System                                  | Windows7, Windows2000/XP/2003/Vista/CE  |                |              |
| Response Time (ms)                                | ≤16                                     |                |              |
| Power   | <2W                                     |                |              |
| Ports (inputs)                                    | USB                                     |                |              |
| Typical Touch Accuracy (mm)                       | ≥5.2                                    |                |              |
| Voltage   | +4.75VDC-5.25VDC                        |                |              |
| Operating Temperature                             | -20°to 60°                              |                |              |
| Storage Temperature                               | -40°to 70°                              |                |              |
| Operating/Storage Humidity                        | 10% ~ 90%RH                             |                |              |

