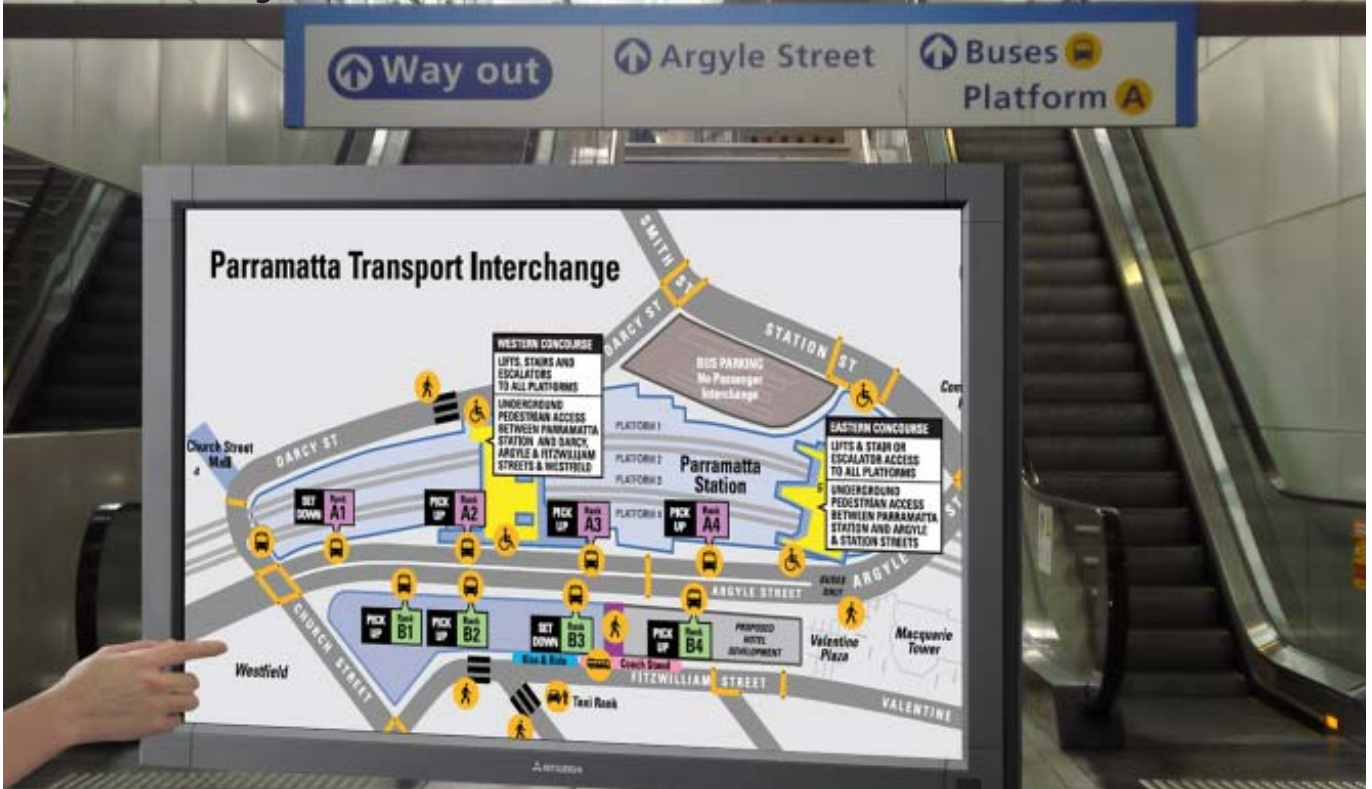


# LCD/Plasma IR Touchscreen

Turn any LCD or Plasma into a Touchscreen



ABICChina is proud to launch our interactive LCD touchscreen incorporating revolutionary new Infrared technology to enable a finger touch digital signage solution. The new ABI IR Frame makes touch screen digital signage LCD or Plasma an affordable reality. Options until now have been prohibitive in cost, but the new IR Frame is reasonable in cost, and easy to install and use.

The Frames are custom made to suit each standard brand/model commercial LCD, and the frame fits snugly over the panel and attaches to the panel for operation. Touchscreen signals are sent back to the PC controlling the panel using a USB connection. Alternatively an integrated frame to suit a specific brand/model can be manufactured if quantities are sufficient. The frame may include a glass overlay screen so that the LCD screen is protected from damage. Free standing Kiosks (see pic.) incorporating a PC for stand-alone use, can be manufactured if required.

Users can operate the panel with their hand or stylus, and PC functions can be controlled by the touchscreen. When used for digital signage, customers can navigate using touch icons to obtain information, procedures, see virtual reality videos, select required advertisements, etc.

They can have a multitude of uses such as :

- Office directories that list floor functions
- Service directories
- Automated interactive Help kiosk
- FAQ answer stations to save staff time
- Rear projection Interactive Whiteboard (Active-Touch software included)
- Reference Directories (retrieve scanned images)
- Public transport installations where passengers can access information.
- Custom information interactive kiosk for events, expos, museums and shows.



## InfraRed Technology

Computer printed circuit boards, with integrated InfraRed transmitters and receivers, are the basis for the large format touch screen. These PCBs are built into the LCD overlay frame, process the touch data that is received and send the information back to the PC by USB connection. This data then controls the PC operation as if a Mouse was being used. The frame can be manufactured to any size and to suit any brand/ model LCD or Plasma panel.



IR Technology is superior for large format displays because of:

# Lower cost

# Lower damage risk compared to film technologies

# Better Panel protection because of glass incorporated in the frame

Standard sizes available include: (\*1 not available in Kiosk)

32" (81 cms)

55/57" (140/145 cms) \*1

42" (107 cms)

63/65" (160/165 cms) \*1

46" (117 cms)

82" (208 cms) \*1

52" (132 cms)

103" (262 cms) \*1

## Specifications

### Size

General Size

37" (94cms) to 103" (262 cms)

Customized Size

22" (56 cms) to 120" (305 cms)

For use with

LCD or Plasma panels

### Performance

Resolution(Interpolation)

4096 x 4096

Linearity Error

1.5mm

Response Speed

<25ms

Light Transmission

minimum 92%; 100% if glass not used

### Mechanical

Input Method

Finger, Stylus or any object

Number Touch Times

Unlimited

Touch Activation Force

No minimum force

Minimum Touch Object Size

8mm

Surface Durability

Standard Glass (Hardness rating of 7)

### Environmental

Temperature

Operating: -20°C to 70°C; Storage: -40°C to 80°C

Relative Humidity

Operating & Storage: 90% (Non condensation @ max 40°C)

Altitude

Max 3,000m height

Life Time

Minimum 7 years

### Electrical

Operational Voltage

Typical +DC 5V, +4.75V to +5.25V

Power Supply

Via USB Interface, power ripple max. 200mV rms

Power

<2W, operating current<400mA

Certification

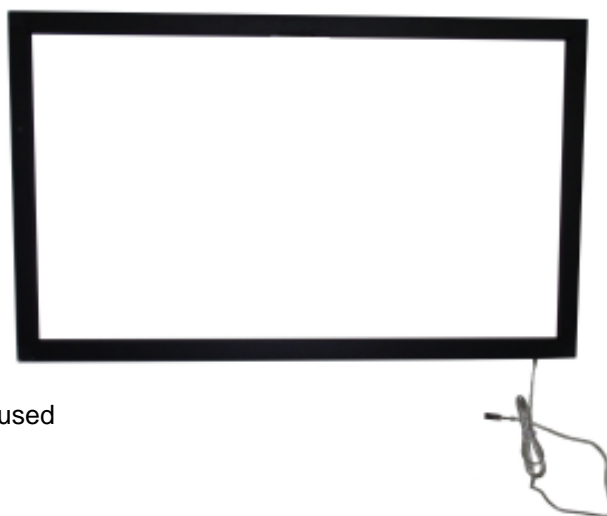
CE, FCC Class B, RoHS

Interface

USB/EIA-232E

Operating System

Windows 2000\XP\2003\Vista\CE/7, Linux, Mac OS



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