



Leadingtouch infrared touchbezel specification

Size

General Size	15" to 22"
Custom Size	7" to 150"
Fit in with	Panel display device

Performance

Resolution(Interpolation)	4096*4096
Linearity Error	<1.5mm
Response Speed	<15ms

Mechanical

Frame Material	Metal / Plastic
Input Method	Finger or gloved hand (rubber ,cloth or leather)
Touch Times	Unlimited
Touch Activation Force	No minimum touch activation force is required
Minimum Touch Object	2.5 mm X 2.5 mm
Vandal-proof	No break by 1-pound steel ball dropping from 130 cm high
Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7

Optical

Light Transmission	90% (Meet ASTM D1003)
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Environmental

Temperature	Operating Range: -20°C ~ 70°C Storage Range: -40°C ~ 85°C
Relative Humidity	Operating Range: 0%~90% RH (no dew falls) Storage Range: 0% to 95% RH (no dew falls)
Altitude	Up to 3,000m
Ambient Light	Direct sunlight 90°to ±30° to the display surface Touch detection operational Direct sunlight all angles to display surface Free of false touch reports
Life Time	At least 10-years

Electrical

Operation Voltage	Typical +DC 5V, +4.75V to +5.25V
Power Supply	USB or PS/2 Interface for size under 55"; External power adaptor for size above 55"
Interface	Full Duplex USB 2.0 (Full Speed) Plug and play compatible Serial RS-232. Baud Rate: 9600, 8 Data Bits, 1 Stop Bit, No Parity
Current	Typical 150MA@+5VDC; 350mA, maximum
Power	<1.5W, operating current<300mA
Electrostatic Protection	15 kV air / 8 kV contact discharges (EN61000-4-2,1995 :Level 4)
Controller	Integration inside touch panel
Agency Approvals	CE, FCC, Rohs
Operation System	Linux/ Dos / Windows ME/95/98 / NT4.0/XP/2000/Mac OS

Reliability

MTBF	Greater than 1,543,000 hours per MIL-HDBK-217-F2
Thermal Cycling	Ambient (0.5 hr) to 65°C / 90%RH (0.5 hr), 12 thermal cycles, 2°C/Minute