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K Series

Infrared touchscreen



K-Series infrared touchscreen employs steel bezel and solid structure. It offers the most rugged touchscreen available in the industry. The built-in controller design and mounting ear option make the installation and service extremely easy. Glass or no-glass option presents it as the only solution for applications where touch screen can be a separate unattached component from the display. As other IRTOUCH touchscreen products, it also offers the highest image clarity, perfect sunlight operability, no drift performance, scratch proof, water resistance and long life expectancy. The K series provides ideal touch solutions for gaming machines, Kiosk, HMI, industrial control, or any highly demanding applications.

K Series Touchscreen product List (The types and specifications are only for your reference, please contact us for details)

Size (Inch)	Model	Touchscre Thickness (mm)	Touch Active Area			Outside Dimensions		Drawing
			Height (mm)	Width (mm)	Diagonal (mm)	Height (mm)	Width (mm)	
15	K15	10.5	231	307	384.2	283.2	395	k15View
17	K17	10	270.1	337.6	432.35	331.2	429.2	k17View
19	K19	11	300.2	375.2	480.51	352.1	460.2	k19View
20	K20	9.2	306.6	408.6	510.84	365	500	k20View
21	K21	11.5	323.1	431.1	538.74	378.5	517.5	k21View
26	K26	14.7	322	574	658.15	423	686	k26View

Benefits:

- Vandal proof, scrape-resistant
- Maintenance free, longer life expectancy
- Fault tolerance design to ensure reliability
- Versatile touch object
- Super transparency
- Integrated controller
- Operable in various light conditions, indoor and outdoor

Typical Applications:

- Gaming machine
- Indoor & outdoor Kiosk
- ATM
- Industrial control
- Gas pump
- In-vehicle and transportation
- Medical equipment

Size

General Size	15" to 26"
Customized Size	6.4" to 26"
Fit in with	Panel display device

Performance

Resolution (Interpolation)	4096*4096
Linearity Error	1.5mm

Mechanical

Input Method	Finger, gloved hand or opaque object
Touch Times	Unlimited
Touch Activation Force	No minimum touch activation force is required with IR touch technology
Minimum Touch Object	8mm
Vandal-proof	No break by steel ball (1.040kg, 63.5mm diameter) dropping from 1040mm high
Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7

Optical

Light Transmission	≥92%, up to 100% (no glass)
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Environmental

Temperature	Operating: -20°C~70°C Storage: -40°C~85°C
Relative Humidity	Operating: 90% RH (non condensing at max 40°C) Storage: 90%RH (non condensing at max 40°C)
Altitude	Up to 3,000m
Life Time	At least 7-year

Electrical

Operation Voltage	Typical +DC 5V, +4.75V to +5.25V
Power Supply	USB or PS/2 Interface, power ripple max. 200mV rms
Power	<1W, operating current <200mA
Agency Approvals	CE, FCC Class B
Interface	USB/EIA-232E
Operation System	Windows7\Vista\XP\2003\2000\CE, Linux, MacOS

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