



DATA DISPLAY GROUP

Datasheet

IR Touch **Infrared Touchscreens**

The information contained in this document has been carefully researched and is, to the best of our knowledge, accurate. However, we assume no liability for any product failures or damages, immediate or consequential, resulting from the use of the information provided herein. Our products are not intended for use in systems in which failures of product could result in personal injury. All trademarks mentioned herein are property of their respective owners. All specifications are subject to change without notice.

E-Series Infrared Touchscreen



Size

General Size	6.4" to 24"
Customized Size	5.7" to 24"
Fit in with	Panel display device

Performance

Resolution(Interpolation)	4096*4096
Linearity Error	1.5mm
Response Speed	<16ms

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	Can meet ball drop test(1.040kg,63.5mm diameter ball dropped from height of 1.0m)
Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7

Optical

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

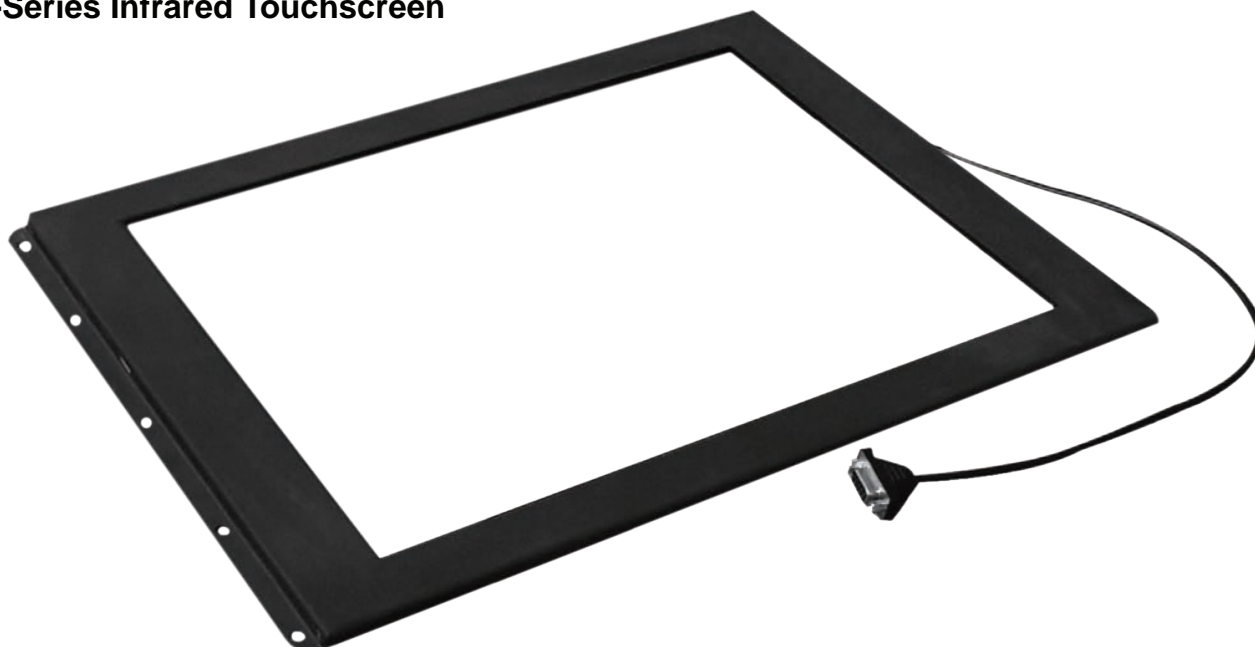
Environmental

Temperature	Operating: -20°C~70°C Storage: -40°C~85°C
Relative Humidity	Operating: 90% RH (noncondensing at max 40°C) Storage: 90% RH (noncondensing at max 40°C)
Altitude	Up to 3,000m
Sealability (fornt panel)	IP65
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	Windows 2000\XP\2003\Vista\CE, Linux, Mac OS

K-Series Infrared Touchscreen



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
Response Speed	<20ms

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 (Diameter 63.5mm Weight1040g)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)
--------------------	-----------------------------

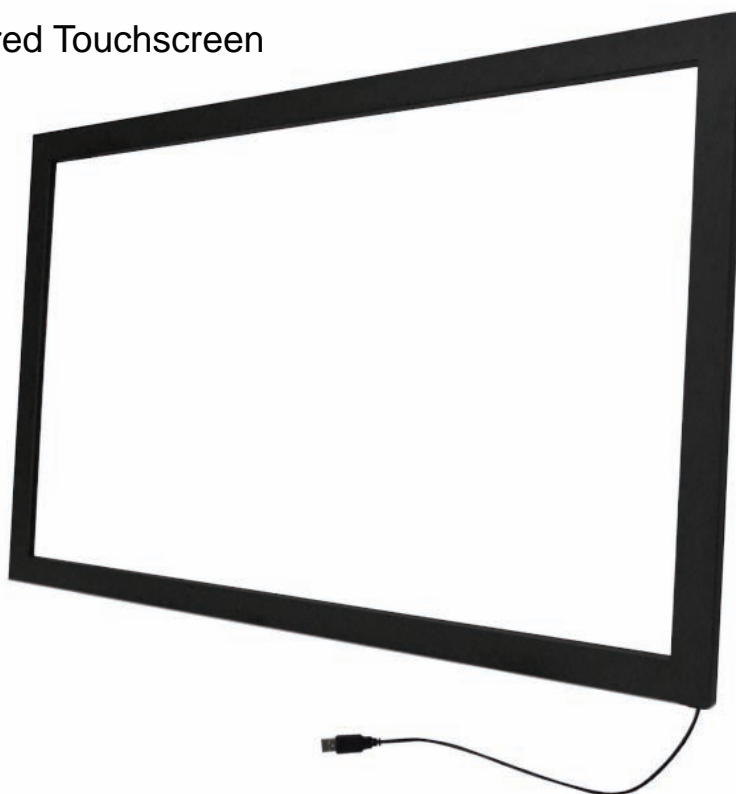
Environmental

Temperature	Operating: -20°C ~ 70°C Storage: -40°C ~ 85°C
Relative Humidity	Operating: 90%(noncondensing at max 40°C) Storage: 90%(noncondensing 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	<1.5W, operating current<300mA
Agency Approvals	CE, FCC Class B
Interface	USB/EIA-232E
Operation System	Windows 2000\XP\2003\Vista\CE, Linux, Mac OS

L-Series Infrared Touchscreen



Size

General Size	32" to 84"
Customized Size	22" to 150"
Fit in with	Panel display device

Performance

Resolution(Interpolation)	4096*4096
Linearity Error	1.5mm
Response Speed	<25ms

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(Diameter 63.5mm Weight 1040g)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)
--------------------	-----------------------------

Environmental

Temperature	Operating: -20°C ~ 70°C Storage: -40°C ~ 80°C
Relative Humidity	Operating: 90% (noncondensing at max 40°C) Storage: 90% (noncondensing 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	<2W, operating current<400mA
Agency Approvals	CE, FCC Class B
Interface	USB/EIA-232E
Operation System	Windows 2000\XP\2003\Vista\CE, Linux, Mac OS

T-Series Infrared Touchscreen



Size

General Size	32" to 52"
Customized Size	30" to 52"
Fit in with	Panel display device

Performance

Resolution(Interpolation)	4096*4096
Linearity Error	1.5mm
Response Speed	<25ms

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(Diameter 63.5mm Weight 1040g)dropping from 1041mm high
Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7

Optical

Light Transmission	≥92%, Upto 100%(no glass)
--------------------	---------------------------

Environmental

Temperature	Operating: -20°C ~ 70°C
	Storage: -40°C ~ 80°C
Relative Humidity	Operating: 90% RH (noncondensing at max 40°C)
	Storage: 90% RH (noncondensing at max 40°C)
Altitude	Up to 3,000m
Sealability	IP65(option)
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	<2W, operating current<400mA
Agency Approvals	CE, FCC Class B
Interface	USB/EIA-232E
Operation System	Windows 2000\XP\2003\Vista\CE, Linux, Mac OS



DATA DISPLAY GROUP

Our company network supports you worldwide with offices in Germany, Turkey, Great Britain and the USA. For more information please contact:



DISTEC GmbH

Distec GmbH

Augsburger Str. 2b
82110 Germering
Germany

Phone: +49 (0)89 / 89 43 63-0
Fax: +49 (0)89 / 89 43 63-131
E-Mail: info@distec.de
Internet: www.distec.de



DATA DISPLAY TEKNOLOJİ

Data Display Teknoloji Elektronik San Ve Diş Tic A.Ş.

Kustepe Leylak Sok.
Nursanlar Is Merkezi
Kat. 6 No: 21
Sisli / Istanbul
Turkey

Phone: +90 (0)212 / 356 04 20
Fax: +90 (0)212 / 356 04 25
E-Mail: info@datadisplay.com.tr
Internet: www.datadisplay.com.tr



DISPLAY TECHNOLOGY

Display Technology Ltd.

A2 Spectrum Business Centre
Anthonys Way, Medway City Estate
Rochester, Kent, ME2 4NP
United Kingdom

Phone: + 44 (0)1634 / 29 55 55
Fax: + 44 (0)1634 / 29 55 43
E-Mail: info@displaytechnology.co.uk
Internet: www.displaytechnology.co.uk



**Apollo
Display
Technologies**

A Data Display Company

Apollo Display Technologies, Corp.

85 Remington Blvd.
Ronkonkoma, NY 11779
United States of America

Phone: +1 631 / 580-43 60
Fax: +1 631 / 580-43 70
E-Mail: info@apollodisplays.com
Internet: www.apollodisplays.com
