



Interactive Touch Frame

Technical Specification



Xiamen Interactive Technology Co., Ltd.

ADDRESS: 1F No.45, Wanghai Rd., Xiamen Software Park Phase II, Xiamen, China

Tel:+86-592-5902910;5902911

Fax:+86-592-5902916

Part 1 Touch Frame

1. Characteristics

The sample is designed to be integrated into 50inch flat-panel display.

Corresponding Indication Device	50inch flat-panel display
Outline Dimension	1276mm (L) x 810mm (W) X42mm (H)
Detection Form	Infrared rays
Panel Opening	1220mm (L) x 750mm (W)
Glass	Tempered Glass 4mm (optional)
Shell	Aluminum alloy
Shell color	Black
Surface Handling	Sand Blasting and Anodizing
Resolution (Non-physical)	4096*4096
Available Object Sizes for Touch	2.5mm (w) 2.5mm(H)
Number of Optical Elements	268(W)×152(D)
Optical Element Pace	5.5*5mm
Interface type	USB2.0
Cable Length	450mm
Warranty	Touch screen : 3 -years limited warranty
Working place	Can working under sunlight

The dimension can be designed with customer's requests.

2. Electricity Specifications

Connector type	USB2.0
Scan periods	45-70Hz
Supply voltage	DC 5V
How to supply it	From USB PORT of PC
Power	Less than 90ma at 5V
Temperature Range	Operating -40 - 70℃ (Temperature slope less than 25C/Hr)
	Storage -40 - 85℃(Temperature slope less than 25C/Hr)
Humidity	Operating 0%-85%, noncondensing
	Storage 0%-95%, noncondensin
ESD Capability	Contact discharge voltage is 4KV, air discharge



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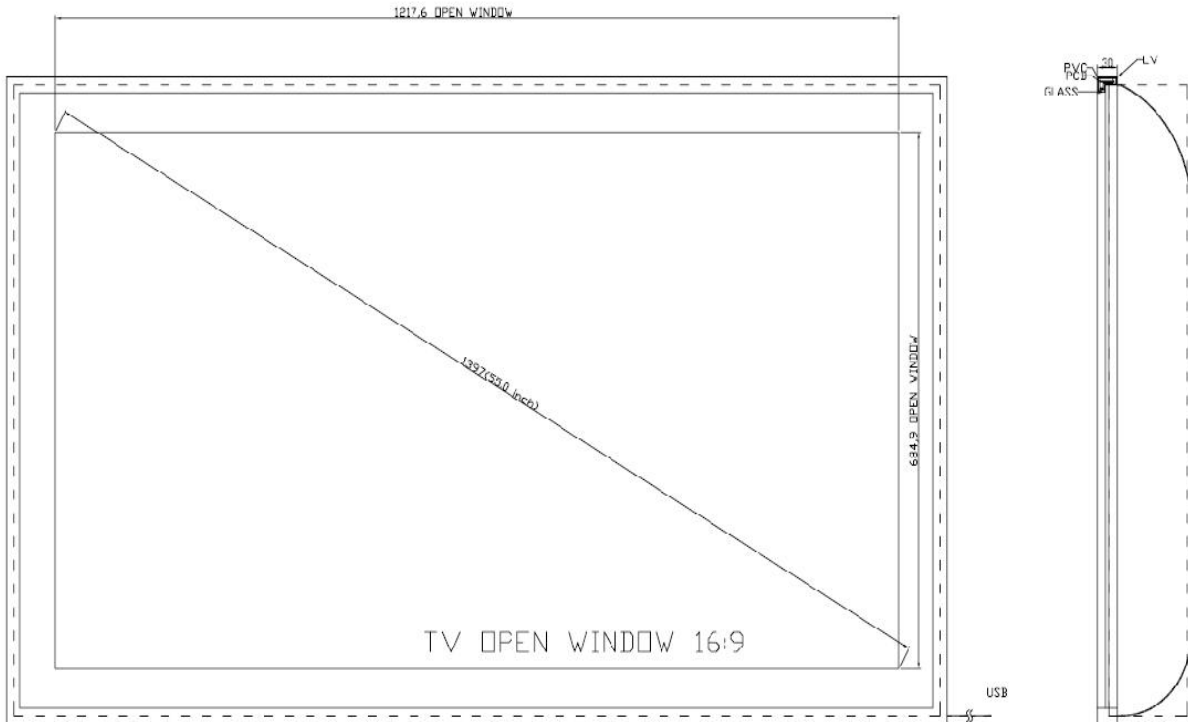
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	voltage is 8KV
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3. Software Specifications

Device dirver Version #	TF-USB (2.0)
Scanning Form	Auto Start, Always Scanning
Responding speed	First point 7ms 、 5ms continue point
Easy write software	optional
Firmware	Single touch firmware
Version #	Latest available

4. Dimensional Drawing



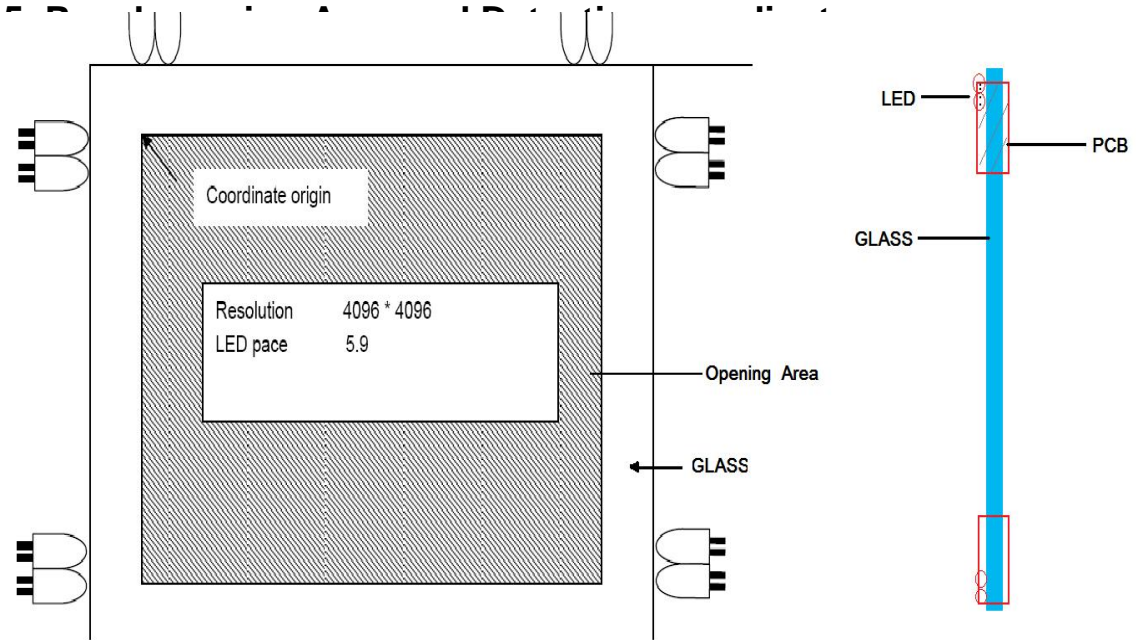


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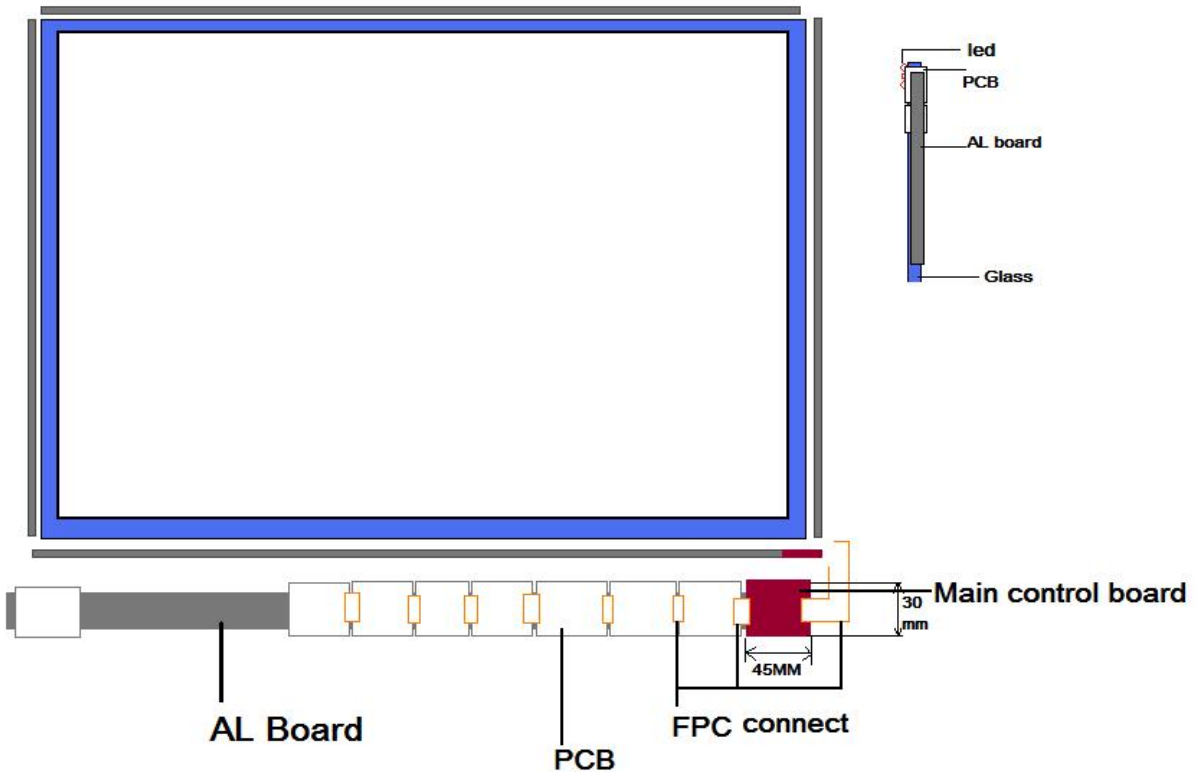
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6. Main control board and PCB





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7. Connector

USB connector, as illustrated below :

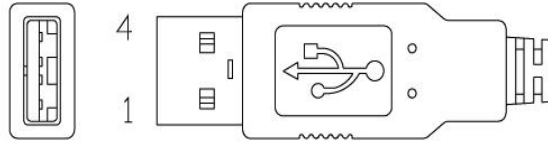


FIGURE 3

Cable length: 450mm

Cable information: UL2725 7/0.12T*1P+7/0.20T*2C+AL+7/0.12T+16/5/0.1T,

Number	Signal name
1	+5V
2	D-
3	D+
4	GND

Part 2 Flat-panel display & TV

Type	50inch PDP monitor
Display feature	PDP Display screen
Outline Dimension(Including foundation)	1490mm*90mm*820mm
Display Size& Aspect Ration	16:9
Display color	68719.47 million(12 Bit)
Max resolution	1920*1080RG
Contrast ration	10000:1
Brightness	1000cd/m ²
Image System	SECAM,NTSC
Max Input Frequency	AC90~264V 50Hz
Rated Power	AC100~240V 50Hz
Gross Power	<460W
Saving Power Consumption	<3W
Mounting	Optional
Working temperature	10℃~40℃
Working humidity	10%~80%
Store Temperature	-20℃~40℃
Store Humidity	5%~95%



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Part 3 Certification

T-50 is CE FCC RoHS compliant.



INTERACTIVE TECHNOLOGY CO., LTD.

Intech Marketing Department

Direct: +86-592-5902910

Fax: 86-592-5902916

E-mail: chris@cnintech.com

Web: www.cnintech.com