

Infrared Multi-Touch Screen

# ETS S2 Series

## Technical Specification

Customer Approved

采购部 PURCHING	品管部 QC	研发部 R&D	签章

Manufacturer

拟制 DRAWING	审核 1 CHECK1	审核 2 CHECK2	批准 RATIFY	签章

Version	Date	Information Source	Update Details
1.0	2012-12-28		Release
1.1	2013-04-26		Add power consumption information

# 1 Characteristics

EverTouch S2 series infrared multi-touch screen is designed with thin and slim frame. It can be integrated into large size LCD monitor or any flat display device easily, and providing new look of display devices.

### Features:

- True multi-touch points
- Support from 2 to 10 touch points
- Integrated controller
- Fast response and writing smoothly
- High precision
- Stable and no drift
- Work well under direct sunlight

### Typical Applications:

- All-in-one computer
- Video conference system
- Kiosks
- Self-service terminal
- Interactive advertising machine



# 2 Specifications

## 2.1 GENERAL SPECIFICATIONS

Item	Description	Remarks
Touch Input Method	Pen, Finger, Finger of gloved hand Activation	
Detection Method	Infrared rays	
Available Touch Point	Max. 10 points simultaneous	
Response Time	First click<16ms	
	Repeated click<6ms	
Ambient Light	Operating normally with sunlight below 100k lux	As angle of incidence to touch panel 20° ~ 90°
Available Object Size for Touch	Multi-touch: Min. Φ6mm	
	Single-touch: Min. Φ3mm	
Operation System	Windows 8/7/XP, MAC OS X, Linux, Android	

## 2.2 MECHANICAL SPECIFICATIONS

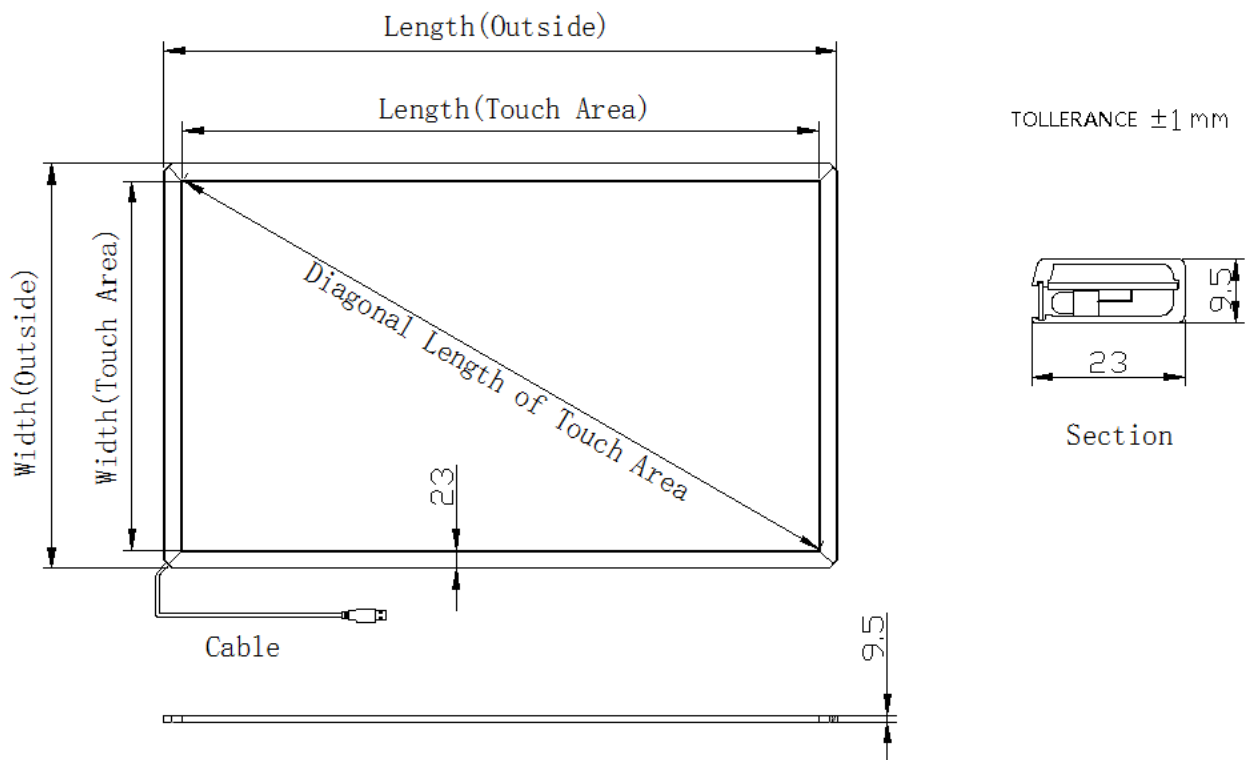
Item	Description	Remarks
Frame	Spray treatment	
Touch Area	(H) x (V)	
Outside Size	(H) x (V)	
Thickness	9.5mm	
Surface durability	Vickers hardness 5.0~7.0GN/m <sup>2</sup>	

**2.3 ELECTRICAL SPECIFICATIONS**

Item	Description	Remarks
Operation Voltage	DC 4.75 to 5.25V	
Power Consumption	<2.5W	
Interface	USB 2.0 (full speed)	A type plug
	Serial port	115200bps
ESD	Contact	4KV
	Air	8KV

**2.4 RELIABILITY**

ITEM	Specification	Remarks
Ambient Temperature	Operating	-20°C~60°C
	Storage	-40°C~85°C
Humidity	10%~90%RH	
Warranty	1 year	

**3 Mechanical Dimension**


Remark: Standard length of USB cable is 180cm

Model	Length(Outside)	Width(Outside)	Length(Touch Area)	Width(Touch Area)
S2-«SIZE»-X	«H»	«W»		

Dimensions (Ratio 16:9 Unit : mm)

## 4 Ordering information

**S2** – **X1** – **X2** – **X3****X4** – **X5** – **X6**  
 (1)      (2)      (3)      (4) (5)      (6)      (7)

### Notes (S2 series):

Part name	Information	Value	Remark
(1)	Product Serious	S2	
(2)	Active Area of Display	21.5, 23, 23.6, 24, 26, 27, 31.5, 37, 42, 46, 47, 52, 55, 58, 60, 65, 69.5, 70	Unit: inch
(3)	Available Touch point simultaneous	2, 4, 6, 10.	Can be customized to 20
(4)	Interface type	UA, UB, C	UA=USB A type plug UB= USB B type plug C= Other interface
(5)	Length of cable	180, N	180=180cm, N=customized length
(6)	Glass	W, O	W=with glass, O=without glass
(7)	Internal number	001, 002, 003, etc.	

Example :

**S2-42-10-UA180-W-001:** S2 series product with size of 42 inch, 10 true touch points, USB A type plug of 180cm and with glass.

## 5 RoHS Compliance

EverTouch S2 series are RoHS compliant.