

Infrared Multi-Touch Screen

BIF 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	2014-08-04	Steven Sun	Release
1.1	2014-09-12	Steven Sun	Revise
1.2	2015-6-10	Nick Shi	Revise

1 Characteristics

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

Features:

- Dustproof and waterproof (The lowest degree of protection IP65)
- Resistance to light (Not less than 100000LUX, the incident light angle 30 degrees)
- True multi-touch points
- Support from 1 to 16 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

Touch Points		1,2,4,6,8,10,16
Available Normal Size		21.5" /23.6" / 27" /32" /37" /40" /42" /46" /47" /52" /55"
Customized Size		Any size from 21.5 to 55 inch
Reported Resolution		32767x32767
Input Method		Finger, or any other opaque stylus
Minimum Stylus Size		Diameter > 7mm
Response Time		<16ms
Shell		PC
Glass		4mm tempered glass (client customization)
Outside Dimensions		See Chapter 3
Touch Area		See Chapter 3
USB2.0	Connector type	Plug of type A
	Transfer speed	12Mbps, Full Speed
	Signal	+5V,D-,D+,GND
Temperature Range		Operating 0 - 60°C (Temperature slope less than 25°C/Hr)
		Storage -25 - 85°C (Temperature slope less than 25°C/Hr)
Humidity		Operating 0%-85%, non-condensing
		Storage 0%-95%, non-condensing
ESD Capability		Contact discharge voltage is 8KV, air discharge voltage is 15KV
Supply Voltage		DC+5V ± 5%
Power Consumption		0.95 ~ 1.9W, according to different size, see chapter 5
How to Supply it		From USB PORT of PC or powered HUB
Supported OS		Win8 / Win7 / XP / Linux / Mac OS / Android
Driver Software		Not needed under windows

3 Mechanical Dimension

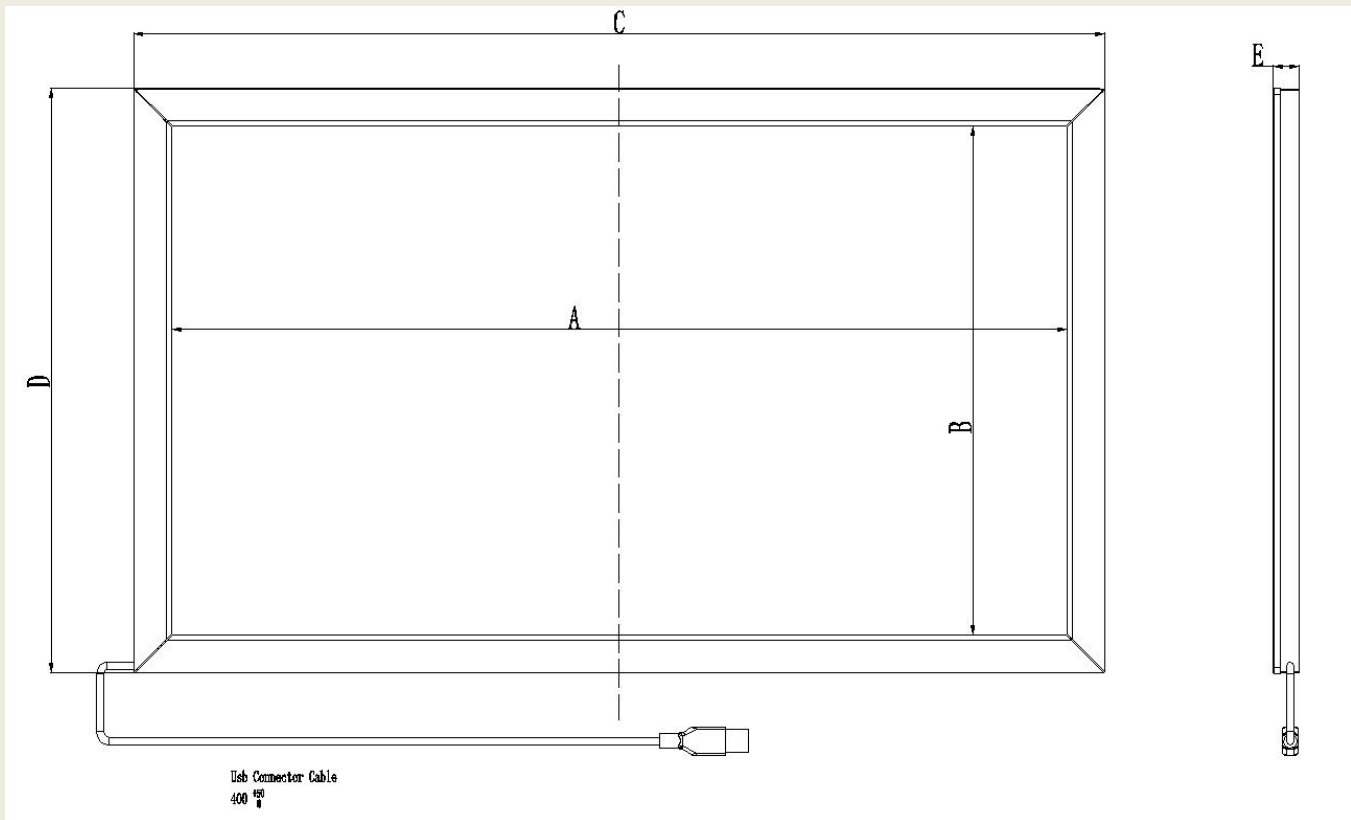
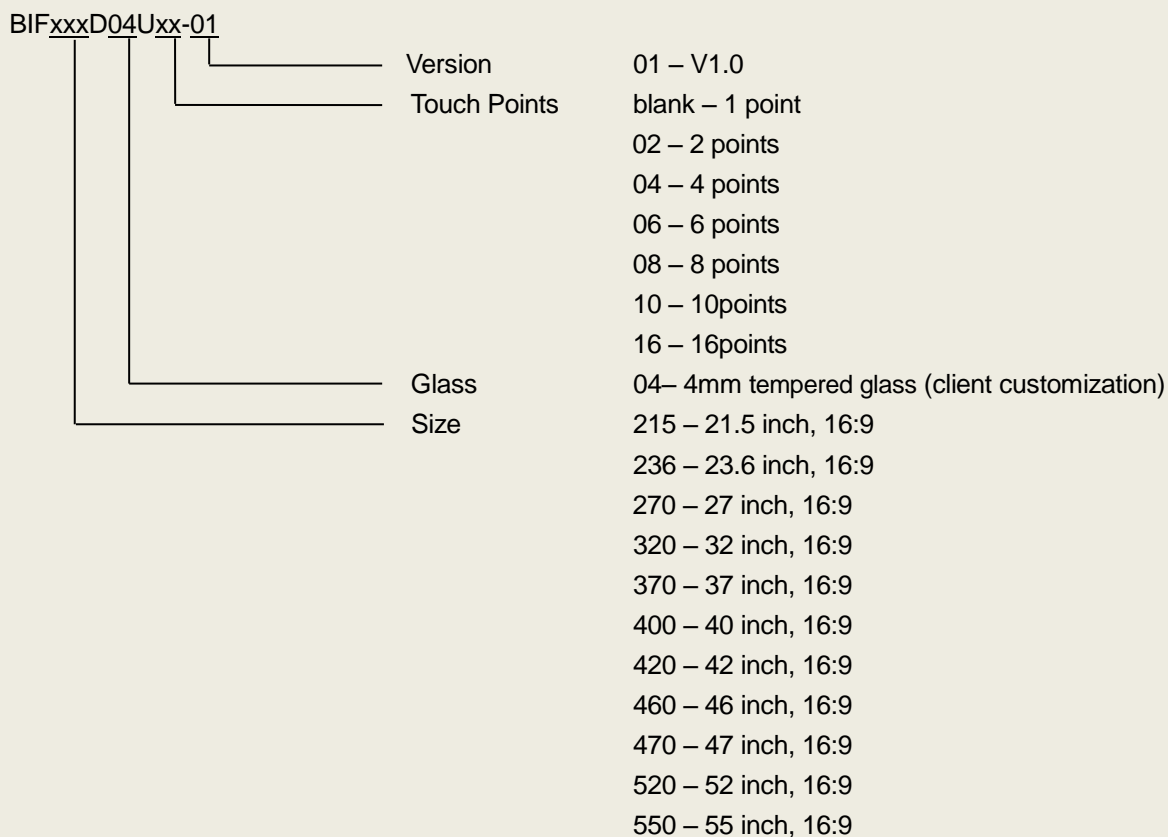


FIGURE 1

Size	Model	Scale	Touch Area Dimensions		Outside Dimensions		Thickness E(mm)	Usb Cable Length(mm)
			A(mm)	B(mm)	C(mm)	D(mm)		
21.5inch	BIF215D04Uxx-01	16:9	480±1	272±1	520.5±1	312.5±1	14±0.5	400 ^{+50.0} _{-0.0}
23.6 inch	BIF236D04Uxx-01	16:9	523.3±1	295.3±1	563.8±1	335.8±1	14±0.5	400 ^{+50.0} _{-0.0}
27 inch	BIF270D04Uxx-01	16:9	601±1	340±1	641.5±1	380.5±1	14±0.5	400 ^{+50.0} _{-0.0}
32 inch	BIF320D04Uxx-01	16:9	702±1	396±1	742.5±1	436.5±1	14±0.5	400 ^{+50.0} _{-0.0}
37 inch	BIF370D04Uxx-01	16:9	823±1	464±1	863.5±1	504.5±1	14±0.5	400 ^{+50.0} _{-0.0}
40 inch	BIF400D04Uxx-01	16:9	889±1	502±1	929.5±1	542.5±1	14±0.5	400 ^{+50.0} _{-0.0}
42 inch	BIF420D04Uxx-01	16:9	934±1	527±1	974.5±1	567.5±1	14±0.5	400 ^{+50.0} _{-0.0}
46 inch	BIF460D04Uxx-01	16:9	1022±1	576±1	1062.5±1	616.5±1	14±0.5	400 ^{+50.0} _{-0.0}
47 inch	BIF470D04Uxx-01	16:9	1043±1	588±1	1083.5±1	628.5±1	14±0.5	400 ^{+50.0} _{-0.0}
52 inch	BIF520D04Uxx-01	16:9	1155±1	651±1	1195.5±1	691.5±1	14±0.5	400 ^{+50.0} _{-0.0}
55 inch	BIF550D04Uxx-01	16:9	1213±2	684±2	1253.5±2	724.5±2	14±0.5	400 ^{+50.0} _{-0.0}

4 Ordering information



Part Number	Description	Version
BIF215D04Uxx-01	21.5", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF236D04Uxx-01	23.6", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF270D04Uxx-01	27", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF320D04Uxx-01	32", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF370D04Uxx-01	37", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF400D04Uxx-01	40", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF420D04Uxx-01	42", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF460D04Uxx-01	46", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF470D04Uxx-01	47", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF520D04Uxx-01	52", 16:9, 1 point or Multi-Touch, USB	V1.0
BIF550D04Uxx-01	55", 16:9, 1 point or Multi-Touch, USB	V1.0

5 Power Consumption

Part Number	Power Consumption	Max Current
BIF215D04Uxx-01	0.95W	190mA
BIF236D04Uxx-01	1.05W	210mA
BIF270D04Uxx-01	1.2W	240mA
BIF320D04Uxx-01	1.3W	260mA
BIF370D04Uxx-01	1.32W	264mA
BIF400D04Uxx-01	1.35W	270mA
BIF420D04Uxx-01	1.4W	280mA
BIF460D04Uxx-01	1.5W	300mA
BIF470D04Uxx-01	1.6W	320mA
BIF520D04Uxx-01	1.75W	350mA
BIF550D04Uxx-01	1.9W	380mA

6 Product Picture

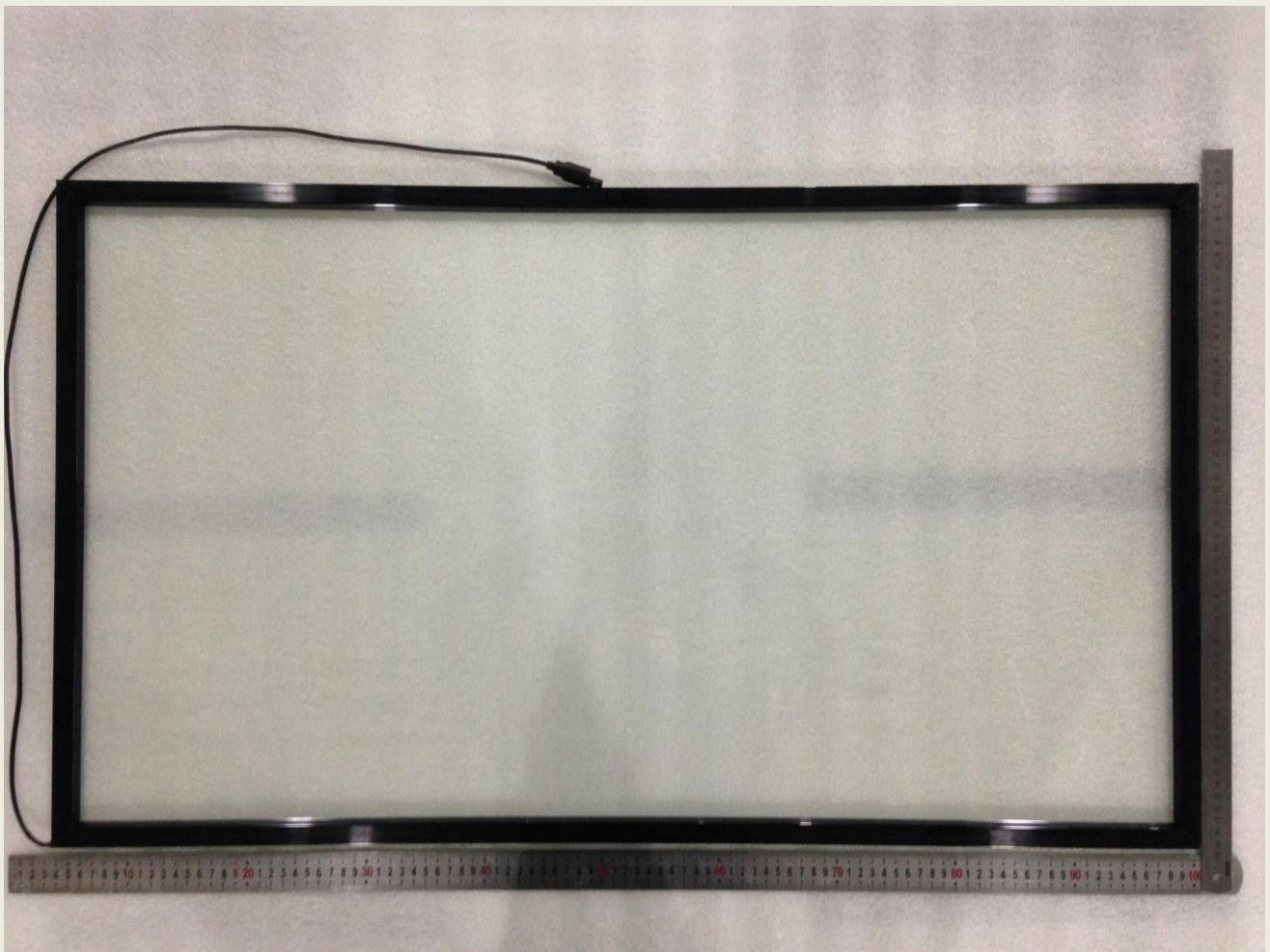


FIGURE 2 Top view

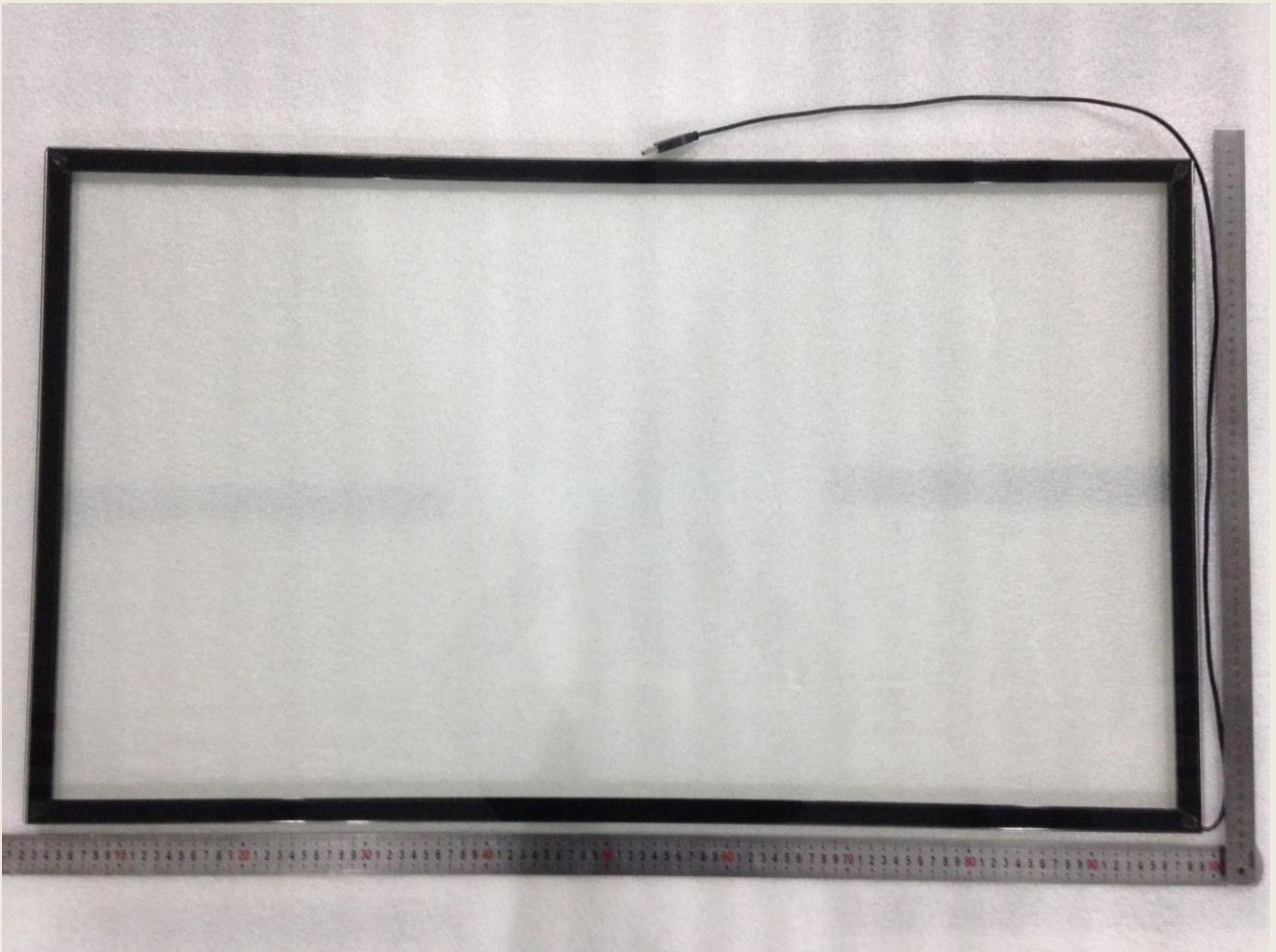


FIGURE 3 Bottom view

7 Packaging



FIGURE 4 10 PCS packing

8 RoHS Compliance

BIF series are RoHS compliant.