

DOCUMENT NUMBER AND REVISION

DOCUMENT TITLE

SPECIFICATION OF ATI0550 with Glass

ITEM	INFRARED TOUCH SCREEN
MODEL	ATI0550
NEXIO PRODUCT NO.	ATI0550-06HI-AESI-32HX-SS
CUSTOMER PRODUCT NO.	
CUSTOMER	General
DATE	2012. 07. 03

고객사 승인	
검 토	
검 토	
승 인	

넥시오 승인	
작 성	
검 토	
승 인	

생산공장	정 보	생산공정
본 사 (한국공장)	넥시오 1공장 TEL : 032-556-9543	조 립
	인천광역시 계양구 아나지로437번길 5 (작전동 679-1)	
공장 1 (가공외주)	가온테크 TEL : 032-814-2411	가 공
	인천광역시 남동구 논현동 428-17	

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**1. DOCUMENT REVISION HISTORY**

Date	Rev. No	Page	Description
2012.06.19	1.0	-	● Specification of ATI0550 model was issued first.

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**2. TOUCH SPECIFICATIONS**

<b>Touch panel size</b>	55 inch
<b>Available touch point</b>	1~6 points without ghost image
<b>Touch Input Method</b>	Pen, Finger, Finger of gloved hand Activation
<b>Touch Activation Force</b>	No minimum touch activation force
<b>Optics Cell Pitch</b>	5.7mm±0.2mm
<b>Optics Number</b>	213(H) x 120(V)
<b>Available Object Sizes for Touch</b>	Touch : Ø 10 mm, Drawing : Ø 11 mm
<b>Touch Durability</b>	Unlimited

**3. MECHANICAL SPECIFICATIONS**

<b>Housing</b>	Aluminum, Black
<b>Touch Size (Out line)</b>	1257.0 (W) x727.8(D) x11.8(H) (mm, ±0.5mm)
<b>Packing Size</b>	1390(W) x 240(V) x835(H) (mm) ( 3 EA in a package)
<b>Useful Screen Area</b>	1216.0(H) x 686.8(V) (mm)
<b>Weight (NET / GROSS)</b>	1.16Kg (without glass)
<b>Glass</b>	Option(Custom versions available on request)

**4. STANDARDS**

<b>ITEMS</b>	<b>SPECIFICATION</b>
<b>RoHS</b>	Compliant with restriction of hazardous substances directive 2002/95/EC and additional RoHS 2.0 requirements
<b>ESD handling</b>	IEC61000-4-2 - Contact : Level 2 - Air : Level 4
<b>MTBF</b>	Room temperature : 40,000 hours, 40°C : 35,000 hours
<b>REACH standard</b>	Compliant with the registration, evaluation, authorization and restriction of chemical substances - EC1907/2006
<b>Halogen-Free</b>	International electrotechnical commission (IEC) Definition of Halogen-Free (IEC62321:2008)

### 5. OPERATING SYSTEMS

	Mouse	Digitizer	Gestures	Plug & Play	Optional SW Packages
<b>Win 8</b>	O	O	O	O	O
<b>Win 7 &amp; Embedded</b>	O	O	O	O	O
	※ Notice : have to install with service package1 in Windows 7				
<b>Win XP &amp; Embedded</b>	O	X	O <sup>(1)</sup>	O	O
<b>Mac OSX</b>	X	X	X	X	X
<b>Linux</b>	X	X	X	X <sup>(2)</sup>	X
<b>Android</b>	O	O	O	O	O <sup>(3)</sup>
<b>Functions</b>	<i>Click, Drag, Double-Click</i>	<i>Mouse Functions, Right-Click, Flicks, Panning with Inertia</i>	<i>Mouse &amp; Digitizer Functions, Press &amp; Tap, Rotate, Zoom In/Out</i>		<i>Calibration, Rotation, USB-Downloader, Diagnostics</i>

**\* Operating Systems Not Supported: Windows 2000 and earlier versions**

(1) Gestures can be supported by some program. (MS-Office, Internet-Explorer, etc, ...)

(2) Device Driver needed.

(3) Calibration only and Rotation

### 6. ELECTRICAL SPECIFICATIONS

<b>Operating Voltage</b>	DC 5V+/-5%
<b>Power Consumption</b>	Max 2.0W(5V, 400 mA)
<b>ESD</b>	Re-operation within 10sec when supplied 4KV Surge in contact, 15KV Surge in air

### 7. ENVIRONMENT CONDITIONS

Item	Operating Temperature		Storage Temperature		Remark
	MIN	MAX	MIN	MAX	
<b>Ambient Temperature</b>	-10°C	+60°C	-40°C 8 hr Still	+85°C 8 hr Still	Dry
<b>Humidity</b>	Operating Humidity : 0% ~ 85%				
	Storage Humidity : 0% ~ 95%				
<b>Vibration PCA must be mounted on a suitable connector</b>	Frequency: 10 ~ 55 Hz Amplitude: 0.75 mm Duration: 20 cycles in each direction.				3 directions
<b>Altitude</b>	3,000m				
<b>Interface</b>	USB1, USB 2.0 Full Speed(12Mbps)				
<b>Detection Method</b>	Infrared rays				

**8. CONTROLLER : INCLUDED IN TOUCH PANEL**

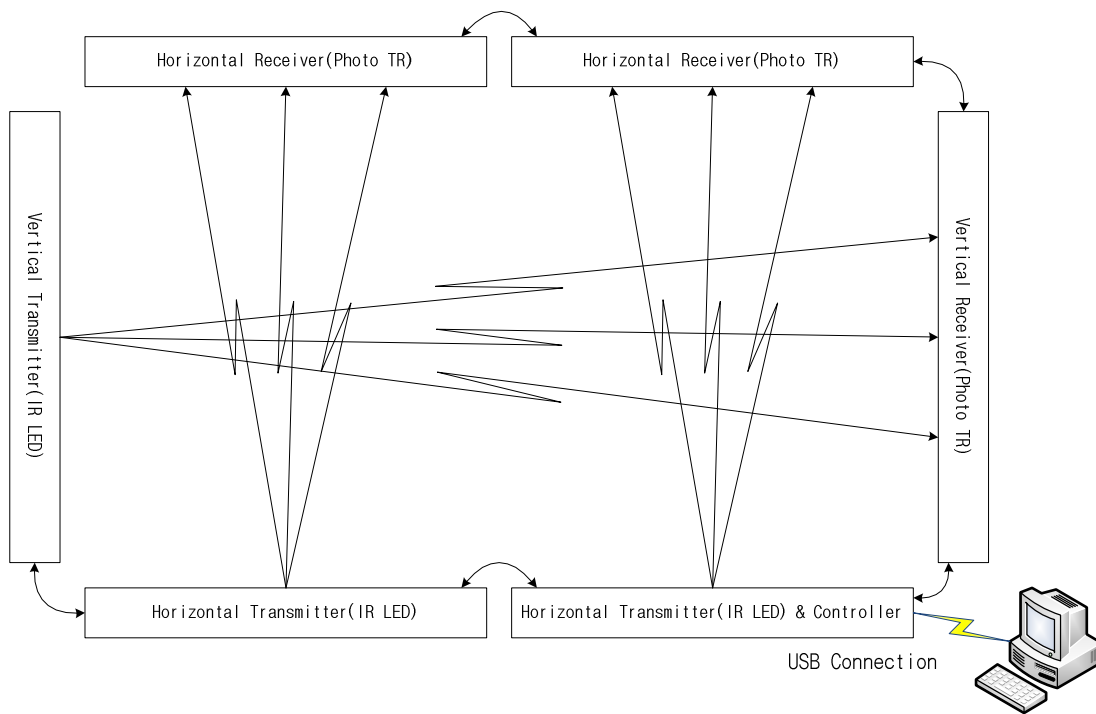
**9. USB INTERFACES**

	Specifications
<b>Power</b>	USB Powered
<b>Protocol</b>	Human Interface Device(HID)
<b>Operation</b>	Plug & Play
<b>VID</b>	0x1870
<b>PID</b>	0x010D
<b>Speed</b>	USB 2.0 Full Speed(12Mbps)
<b>Connector</b>	USB 'A' Type Plug

**※Notice : Do not set battery mode or power save mode in computer power option.**

**10. STRUCTURE & CHARACTERISTICS**

(1) Touch System Structure

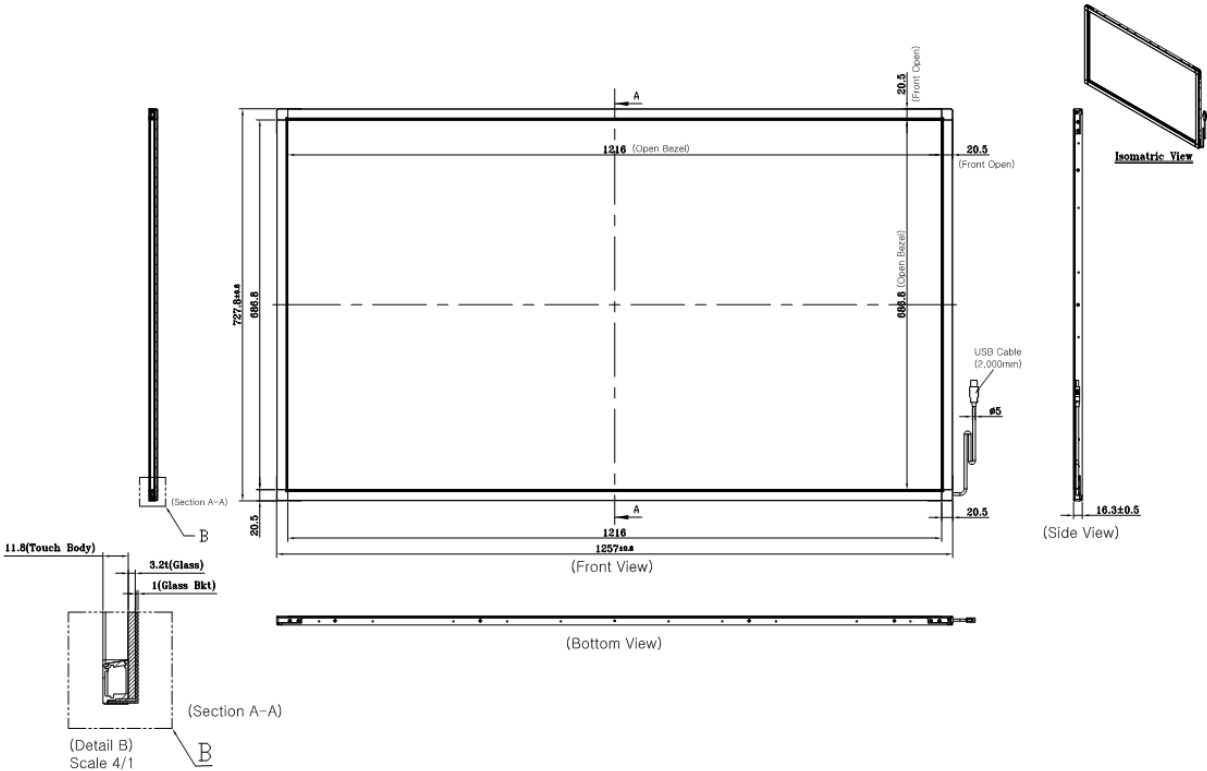


(2) Characteristics

- Consist of Infrared LED and Photo TR.
- Calculate Multi-point coordinate by multi-scan algorithm.
- Slim Design.
- Operating only USB Power.
- Support HID Multi Touch

# 11. DRAWING SPECIFICATIONS

## A. Panel Layout



B. Glass size

