

# SPECIFICATION

<b>ITEM</b>	INFRARED TOUCH SCREEN
<b>MODEL</b>	NIB
<b>PART NUMBER</b>	NIB-460A
<b>BUYER</b>	
<b>DATE</b>	MAR. 10, 2008

<b>APPROVED BY</b>

<b>NEXIO CORPORATION</b>	
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**1. Revision History**

Date	Rev. No	Page	Summary
MAR.10,2008	S-080310-001		Approval specification of NIB-460A model was issued first.

**2. Mechanical**

<b>Housing</b>	Black powder coated Metal
<b>Touch Size (Out line)</b>	1127(w)x653(h)x14.5(d)mm
<b>Useful Screen Area</b>	1011.2(h)x567.1(v)
<b>Weight</b>	11.4 Kg
<b>Drawing</b>	Please refer to Appendix 1

**3. Touch Characteristics**

<b>Input Method</b>	Finger or gloved hand activation
<b>Touch Activation Force</b>	No minimum touch activation force
<b>Position Accuracy</b>	Typical centroid accuracy 2mm
<b>Resolution</b>	12,160 x 6,848
<b>Response Time</b>	Touch : 24ms
	Drawing : 38ms
<b>Glass</b>	Transmission : 92% Up to 100%
	Thickness : 5 mm with anti-vandal
<b>Optics Number</b>	190(h) x 107(v)
<b>Optics cell pitch</b>	5.35mm
<b>Available Object Sizes for Touch</b>	Touch : Ø7mm
	Stylus : Ø8mm
<b>Touch Intensity</b>	Over 60,000,000 single point touch

**4. Electrical**

<b>Operating Voltage</b>	DC 4.6V ~ DC 5V
<b>Power</b>	0.6W(Current) 120mA at DC 5V
<b>ESD</b>	TBD

**5. Environment**

<b>Temperature</b>	Operating -20°C to 85°C
	Storage -40°C to 85°C
<b>Humidity</b>	Operating 20% to 85%
	Storage 0~95%
<b>Relative Humidity</b>	Operating 40°C at 90% RH, Noncondensing
<b>Light Test</b>	Operating Under Halogen lamp (220V,500W) /Sunlight
<b>Altitude Operating</b>	3,000m
<b>Interface</b>	RS232(C) or USB 1.1
<b>Detection Method</b>	Infrared rays
<b>Seal Ability</b>	IP54
<b>Warranty</b>	Touch screen : 3 -years limited warranty
	Controller : 3-years limited warranty

## 6. Controller

### 6.1 Interface Connector 4PIN : YEON-HO 12512WR-04B (USB Cable)

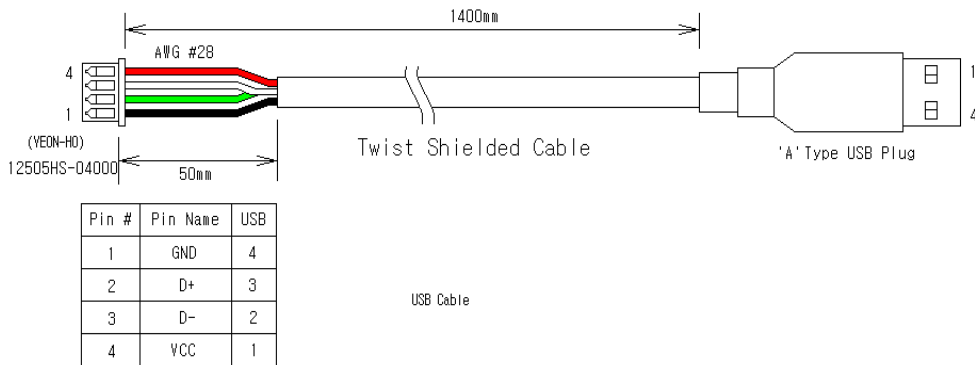
Pin NO.	Symbol	USB
1	GND	4
2	D+	3
3	D-	2
4	VCC	1

### 6.2 Interface Connector 5PIN : YEON-HO 12512WR-05B (Serial)

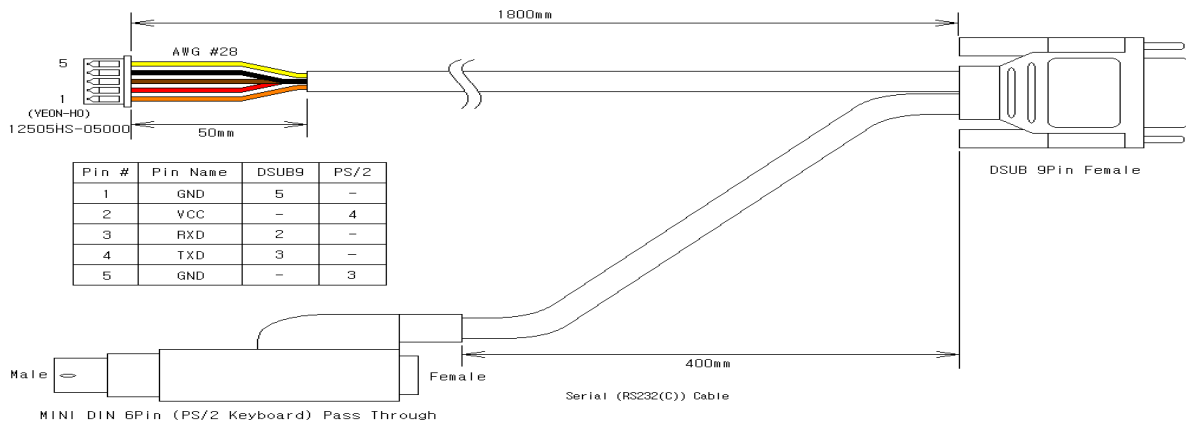
Pin NO.	Symbol	DSUB9	PS/2
1	GND	5	-
2	VCC	-	4
3	RXD	2	-
4	TXD	3	-
5	GND	-	3

## 7. Cable Information:

### 7.1 Interface Cable (YEON-HO 12505HS-04000) - USB cable



### 7.2 Interface Cable (YEON-HO 12505HS-05000) - Serial cable



**8. Touch Panel Drawing :** Please refer to Appendix1.

**9. Driver Manual :** Please refer to Appendix2.

**Note :** The specification is subject to change without prior notice.