

SPECIFICATION

ITEM	INFRARED TOUCH SCREEN
MODEL	NIB
PART NUMBER	NIB-420A
BUYER	
DATE	MAR. 10, 2008

APPROVED BY

NEXIO CORPORATION	
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1. Revision History

Date	Rev. No	Page	Summary
MAR.10,2008	S-080310-001		Approval specification of NIB-420A model was issued first.

2. Mechanical

Housing	Black powder coated Metal
Touch Size (Out line)	1045(w) x 615(h) x 14.5(d)mm
Useful Screen Area	923.4(h) x 513(v)
Weight	10 Kg
Drawing	Please refer to Appendix 1

3. Touch Characteristics

Input Method	Finger or gloved hand activation
Touch Activation Force	No minimum touch activation force
Position Accuracy	Typical centroid accuracy 2mm
Resolution	10,432 x 5,824
Response Time	Touch : 8ms
	Drawing : 13ms
Glass	Transmission : 92% Up to 100%
	Thickness : 5 mm with anti-vandal
Optics Number	163(h) x 91(v)
Optics cell pitch	5.7mm
Available Object Sizes for Touch	Touch : Ø7mm
	Stylus : Ø8mm
Touch Intensity	Over 60,000,000 single point touch

4. Electrical

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

5. Environment

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

6. Controller

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

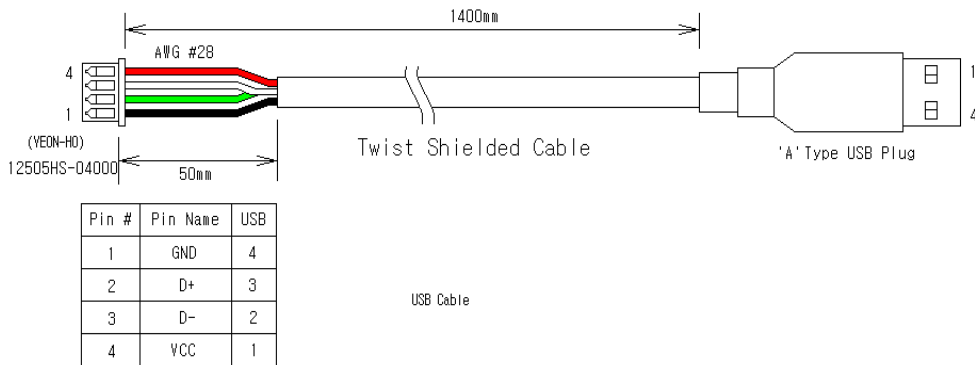
Pin NO.	Symbol	USB
1	GND	4
2	D+	3
3	D-	2
4	VCC	1

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

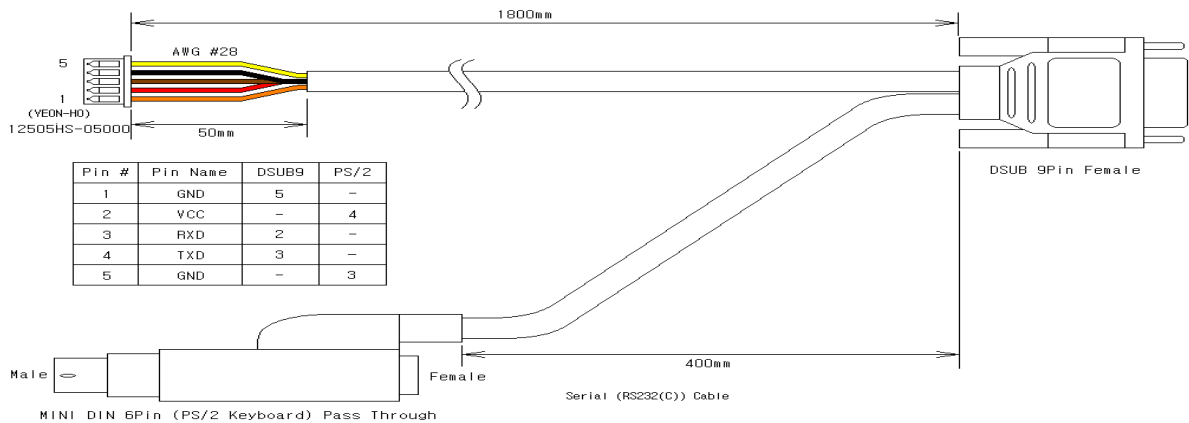
Pin NO.	Symbol	DSUB9	PS/2
1	GND	5	-
2	VCC	-	4
3	RXD	2	-
4	TXD	3	-
5	GND	-	3

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.