

SPECIFICATION

ITEM	INFRARED TOUCH SCREEN
MODEL	NIB
PART NUMBER	NIB-520B
BUYER	
DATE	FEB. 27, 2008

APPROVED BY

NEXIO CORPORATION	
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1. Revision History

Date	Rev. No	Page	Summary
FEB.27,2008	S-080227-001		Approval specification of NIB-520B model was issued first

2. Mechanical

Housing	Black powder coated Metal
Touch Size (Out line)	1242(w)x742(h)x14.5(d)mm
Useful Screen Area	1145.7(h)x644.1(v)mm
Weight	14Kg
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	12,928x7,296
Response Time	Touch : 14ms
	Drawing : 21ms
Glass	Transmission : 92% Up to 100%
	Thickness : 5 mm with anti-vandal
Optics Number	202(h)x114(v)
Optics cell pitch	5.7mm
Available Object	Touch : Ø7mm
Sizes for Touch	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	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 Output Connector CON1 : Power Connector(Molex.5267-02)

Pin NO.	Symbol	Description
1	Vin	Output Voltage : 5V
2	GND	GND

6.2 Input, Output Connector CON3 : Power Connector(Molex.5267-03)

Pin NO.	Symbol	Description
1	Vin	Input, Output Voltage : 12V
2	NC	No Connection
3	GND	GND

6.3 Interface Connector CON4 : USB B type Female.


6.4 Interface Connector CON5 : (YEON-HO 12507WR-20) - 20pin Cable

6.5 Input Connector J1 : Power Connector(2.2φpower jack)

Pin NO.	Symbol	Description
1	Vin	Input Voltage : 12V
2	GND	GND
3	GND	GND

6.6 Drawing : Please refer to Appendix2

7. AC Adapter : Model No. DA-42H12

AC INPUT	100-240Vac, 50-60Hz, 1.2A Max.
DC OUTPUT	DC12V/3.5A
OUTPUT CONNECTOR	2.5Ø
CONNECTOR POLARITY	

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.