

DOCUMENT TITLE

Specification of Model EX-121

Items	Panel Mount Monitor
Model	EX
Product No.	EX-121
Customer	
Revised Date	2014. 02. 25

CONTENTS

1. REVISION HISTORY
2. MONITOR CHARACTERISTICS
3. TOUCH CHARACTERISTICS
4. DRAWING INFORMATIONS

2. MONITOR CHARACTERISTICS

Items		Description	
Panel	Screen Diagonal	307.5mm(12.1 inch)	
	Outline Dimension	276.0± (H) x 209.0 (V) x 9.6 (D)mm Typ.	
	Active Area	246.0 x 184.5mm	
	Display Type	SVGA TFT	
	Max. Resolution	800 x 600	
	Display Colors	16.7 M Colors	
	Pixel Pitch	0.3075 x 0.3075mm	
	Luminance of White	450 cd/m ² (Typ.)	
	Luminance Contrast Ratio	600 : 1(Typ.)	
	Response Time (Rise/Decay)	10/ 20mS Typ.	
	Viewing Angle	130°(H), 110° (V) Typ.	
	Power consumption		0.69W(LCD Module)
			6.12W(Back Light Unit)
Weight		515Gram (Typ.)	
Input Signal		VGA (15 Pin D-Sub)	
OSD Control		Brightness, Contrast, H/V Position, Clock(Clock, Phase, Use), Color(Color Temperature, User Adjustment), Language, Information, Auto Adjust	
Plug & Play		DDC1 / DDC2B	
Power Saving		VESA DPMS	
Power Supply Adapter	Input	AC 100V~240V, 50~60Hz	
	Output	DC 12V / 3.5A	
Power Consumption	On Working	<30 Watt (Max.)	
	OFF Working	<3 Watt	
Operating Temperature		0 ~ 50 °C	
Storage Temperature		-20 ~ 65 °C	
Operating Humidity		10 ~ 95% (Non Condensing)	
Lamp Life Time		50,000Hrs	
Weight(Net/ Gross)		3.2/ 4.6Kg	
Standard Accessory		15Pin VGA Cable, AC Adaptor, Power Cord	

3. TOUCH CHARACTERISTICS

3.1 General Information

Items	Descriptions
Touch Type	Infrared
Touch Input Method	Finger, Finger of gloved hand
Available Object size	Ø7mm
Response Time	Touch: 6ms
	Drawing: 10ms
Glass	Transmission : 92% Up to 100%
	Thickness : 3.2 mm with anti-vandal
Optic Cell Pitch	5.35mm
Position Accuracy	2mm
Touch Resolution	3,648 x 2,752
Interface	HID(USB1.1) or RS232
Operating Voltage	DC4.6V~DC5V
Power consumption	0.62W(DC5V, 124mA)
Operating Temperature	-20 ~ 85°C
Storage Temperature	-40 ~ 85°C
Operating Humidity	20% ~ 85%
Storage Humidity	0% ~ 90%
Seal Ability	IP65 Standard
Endurance test for strong light	-

3.2 Touch Controller

3.2.1 Controller to Touch Module interface: 22Pin FPC Cable

3.2.2 Power connector(CN2)

Pin No	Signal	Description
1	GND	GND
2	GND	GND
3	Vin	5V

3.2.3 Serial communication interface (CN3)

Pin No	Signal	Description
1	Rx	Receive Data
2	Tx	Transmit Data
3	GND	GND
4	NC	No connection
5	NC	No connection

3.2.4 USB interface connector (CN4 Type B, Female)

