

# SPECIFICATION

<b>ITEM</b>	Industrial Panel Mount Touch Monitor
<b>MODEL</b>	NEX
<b>PART NUMBER</b>	NEX-190
<b>BUYER</b>	
<b>DATE</b>	MAR. 25, 2008

<b>APPROVED BY</b>

<b>NEXIO CORPORATION</b>	
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## CONTENTS

1. Revision History	-----	3
2. Monitor Characteristics	-----	4,5
3. Touch Characteristics	-----	5
4. Touch Electrical	-----	5
5. Touch Environment	-----	5
6. Touch Controller	-----	6
7. Drawing	-----	Appendix1

**1. Revision History**

Date	Rev. No	Page	Summary
MAR.25,2008	S-080325-001		Approval specification of NEX-190 model was issued first

## 2. Monitor Mechanical

<b>Panel</b>	<b>Housing</b>	Black powder coated Metal
	<b>Monitor Size (Out)</b>	19inch : 460(w) x 392(h) x 64.5(d)mm
	<b>LCD Panel</b>	LM190E08
	<b>Display Type</b>	19.0" SXGA TFT LCD
	<b>Max. Resolution</b>	1280 x 1024
	<b>Display Colors</b>	16.7M Colors
	<b>Pixel Pitch</b>	0.098 x RGB(H)mm x 0.294(V)mm
	<b>Brightness</b>	300cd/m <sup>2</sup>
	<b>Contrast Ratio</b>	500 : 1(Typical)
	<b>Viewing Angle</b>	80°/80°(L/R) & 80°/80°(U/D)
	<b>Display Area</b>	376.320 x 301.056mm
<b>Input Signal</b>	<b>Supported Video</b>	VGA (15Pin D-Sub)
<b>Resolution Support</b>	<b>Supported</b>	640 x 350 @ 70 Hz 720 x 400 @ 70 HZ 640 X 480 @ 60Hz ~ 75Hz 832 x 624 @ 75Hz (MAC) 800 x 600 @ 56Hz ~ 75 Hz 1024 x 768 @ 60Hz ~ 75Hz 1280 x 1024 @ 60Hz ~ 75Hz
	<b>Recommended</b>	1280 x 1024@60Hz
<b>Power Consumption</b>	<b>On working</b>	<30 watt (Max.)
	<b>Off</b>	<3 watt
<b>OSD Control</b>	<b>Function</b>	Brightness, Contrast, Position( H/V Position), Clock( Clock, Phase, Use), Color ( Color temperature, User Adjustment), Language, Information, OSD(OSD time, H/V position, Use), Auto Adjust
<b>Language</b>		English, French, German, Italian, Spanish
<b>Plug &amp; Play</b>		DDC1/DDC2B
<b>Power Saving</b>		VESA DPMS
<b>Power Supply Adapter</b>	<b>Input</b>	AC 100V~240V, 50~60Hz
	<b>Output</b>	12V DC, 3.5A
<b>Operating Temperature</b>		0 ~ 50 °C
<b>Storage Temperature</b>		-20 ~ 65 °C
<b>Operating Humidity</b>		10 ~ 90% (Non Condensing)
<b>Weight(Net/Gross)</b>		6.8 / 8.5kg
<b>Standard Accessories</b>		15-PIN VGA cable, AC adapter, Power cord

<b>Options</b>	<b>Front Bezel</b>	<i>Aluminum</i>
<b>Touch Screen</b>		IR
<b>Touch Interface</b>		IR – RS232 or USB
<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>	4,544 x 3,712
<b>Response Time</b>	Touch : 9ms
	Drawing : 17ms
<b>Glass</b>	Transmission : 92% Up to 100%
	Thickness : 3.2 mm with anti-vandal
<b>Optics Number</b>	71(h) x 58(v)
<b>Optics cell pitch</b>	5.3mm
<b>Available Object Sizes for Touch</b>	Touch : Ø6mm
	Stylus : Ø7mm
<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>Connector between touch panel and controller</b>	22pin FPC cable

### 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% to 95%
<b>Relative Humidity</b>	Operating 40°C at 90% RH, Noncondensing
<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>	Can be sealed to meet NEMA4 and IP65 standard
<b>Warranty</b>	Touch screen : 3 -years limited warranty
	Controller : 3 -years limited warranty
<b>Working place</b>	Not working under sunlight, For Indoor used application.

## 6. Touch Controller

6.1 Interface Connector : YEON-HO 10008HR-22L( 22pin FPC Cable)

6.2 Input Connector CN2 : Power Connector(Molex.5267-03, YEON-HO YMW023-03R)

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

6.3 Interface Connector CN3 : Serial Connector(Molex.53015-0510, YEON-HO 20017WR-05)

Pin NO.	Symbol	Description
1	RX	Received Data
2	TX	Transmit Data
3	GND	GND
4	NC	No connection
5	NC	No connection

6.4 Interface Connector CN4 : USB B type Female.

**7. Drawing :** Please refer to Appendix1.

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