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		Page : 8pages
TFT LCD MONITOR 15"		USER'S MANUAL
<h1>VX1500</h1> <h2>- With Touch Screen (Optional)</h2>		

1. Introduction

VX1500 of slim shape is a TFT Monitor for the industrials which have an analog RGB signal input, including OSD function for adjusting the optimized display screen, and touch screen, instead of using a mouse. It is designed for the industrials which using aluminum and Steel chassis with slim type.

2. Specifications

2.1 LCD Monitor Specifications

- Display Size : 15" TFT Color LCD
- Active Area(H x W) : 304.1 x 228.1 mm
- Supporting Resolutions : Full display by zooming out on VGA/SVGA/XGA
- Driver Element : a-SI TFT active matrix
- Pixel Arrangement : RGB vertical stripe
- Display Mode : Normally white
- Surface treatment : Haze 13, Anti-glare & Hard - Coating (3H)
- Resolution : 1024 x 768 dots
- Aspect Ratio : 4:3
- Max. Colors : 16,777,216 color
- Pixel Pitch(H x W) : 0.297 x 0.297 mm
- Luminance(cd/m²) : Typ. 250
- Contrast Ratio : Typ. 450 : 1
- Backlight Life Time : Typ. 35,000 Hr
- Viewing Angel : Typ. Hor. 65°/65°, Ver. 50°/60°

- Response Time(ms) : Typ. 2.5(R)/9.5(F)
- Screen Adjustment : OSD (On Screen Display) include Auto Adjustment compliant
- Mount Type : Panel Mount & Wall Mount & Stand Type & VESA Standard ARM Mount
- Supporting Analog R.G.B signal (Analog VGA) input
- Chassis Material : Front – Aluminum, Rear – Steel
- RGB Input : 0.7Vpp±10%, 75 Ohms
- Input Rating : AC 100–240V @ 0.8–0.4A, 50/60Hz or DC 12V @ 2.3A
- Ampere requirement : AC 100V @ 0.8A, AC 200V @ 0.4A, DC 12V @ 2.3A
- Power requirement : 30W
- Power Consumption : Max. 30W
- Power Saving Mode : Less than 3W
- Storage Temperature : -20 ~ 60°C(-4~140°F)
- Operating Temperature : 0 ~ 50°C(-32~122°F)
- Storage Humidity : 5 ~ 90% RH, non-condensing
- Operating Humidity : 20 ~ 90% RH, non-condensing
- Operating Altitude : 10,000 Feet
- Dimensions(W x H x D) : Without Power Type ; 372 x 296 x 44.5 mm
- Weight : Net ; 5.0 kg, Gross ; 7.3 kg
- Refresh Rate : Max. 1024 x 768 @ 75Hz (60Hz for optimal display)
- Main Frequency : Max. 94.5 MHz
- Frequency : Hor. 31.5 ~ 60 kHz, Ver. 56 ~ 85 Hz
- Compatibility of Vertical Frequency

PC	MODE	Vertical Frequency (Hz)
IBM compatibles	640 x 480	60 / 72 / 75 / 85
	800 x 600	56 / 60 / 72 / 75 / 85
	1024 x 768	60 / 70 / 75 / 85
	DOS 640 x 350	70
	DOS 640 x 400	70
	DOS 720 x 400	70

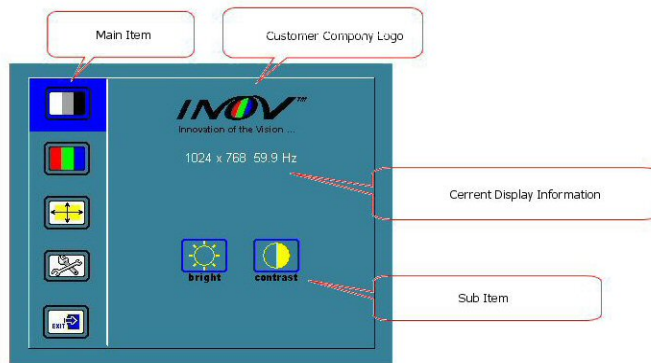
2.2 Touch Screen Specifications (Option)

- Touch Screen Type : Analog Resistive 8-Wire Type
- Touch Screen Controller Interface : Serial (RS-232)
- Touch Screen Drivers : MS-DOS, Windows 3.1/95/98/ME/NT/2000/XP/2003, Linux
- Drift compensation for fluctuations in the temperature and humidity
- Antiglare scratch resistant finish
- Gloved or Ungloved finger or Stylus activation
- Chemically strengthened glass backing panel
- Optically bonded buffer layer
- Transmittance : Typ. > 74%
- Durability : Point Activation Typ. 1,000,000
Gouge Hardness 4H per ASTM D3363-92a

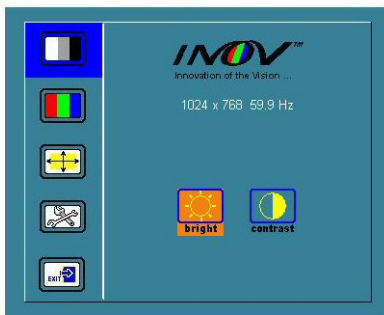
Note : These specifications are subject to change for up-date without notification

3. OSD Functions

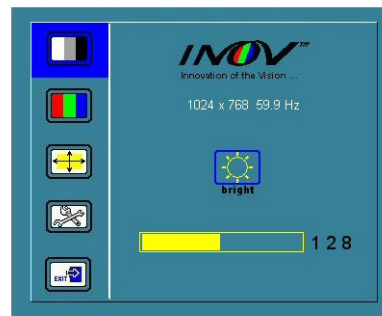
Selected Menu Button :








Selected SEL Button:








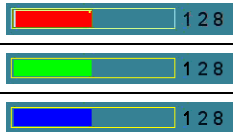





Selected Sub item:













3.1 Brightness & Contrast

	 Brightness Item	 1 2 8	Adjust Panel Brightness Level.
	 Contrast Item	 1 2 8	Adjust Panel Contrast Level.











3.2 Color Control

	 Color Adjust Item	<input type="button" value="OK"/>	Adjust Color Level automatically. If the image adjusted is good, select "ok" or not, select "cancel" and adjust again.	
		<input type="button" value="Cancel"/>		
	 Super RGB Item	<input type="button" value="OK"/>	Setting up s-RGB mode.	
		<input type="button" value="Cancel"/>	Automatic adjustment for Color Level.	
	 Color Temperature Item		 1 2 8	User can adjust warmness as users please.
		 4200K		Adjust the warmness of the image displayed. The higher temperature the coolest image looks like.
	 5000K		The lower temperature the warmest image looks like.	
	 6500K			
	 7500K			
	 9300K			




3.3 Image Control

	 Image Auto Adjust Item	<input type="button" value="OK"/>	Auto adjustment H,V Position of image and Clock & Phase. If the result adjusted is good, select "ok" or not, select "cancel" and adjust again
		<input type="button" value="Cancel"/>	
	 H-Total Adjust Item	 1 2 8	Adjust increase/decrease image of horizontal size
	 Phase Adjust Item	 1 2 8	Adjust data sampling position of image.
	 H-Position Adjust Item	 1 2 8	Move the image horizontally.
 V-Position Adjust Item	 1 2 8	Move the image horizontally.	

3.4 OSD utility

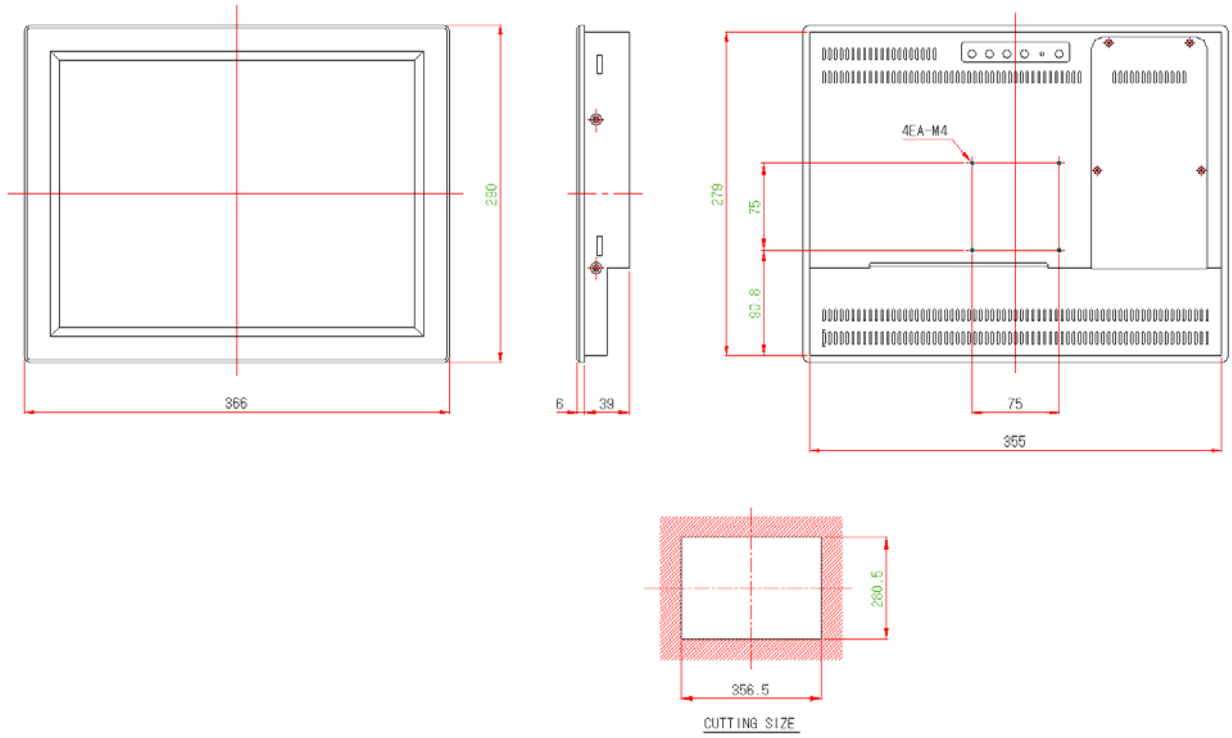
	 OSD Adjust Item	 OSD Display Time Adjust Item	Adjust OSD display time.
		 OSD H-Position Adjust Item	Move the OSD menu horizontally.
		 OSD V-Position Adjust Item	Move the OSD menu vertically.
	 User Value Initial Item	Reset user's value	
 Image Sharpness Adjust Item	 128		Adjust sharpness of the image.
 DOS Mode Select Item	Adjust Dos screen resolution to 640 x 400 or 720 x 400		
	Menu Exit Item	OSD Exit	

3.5 Warning Message

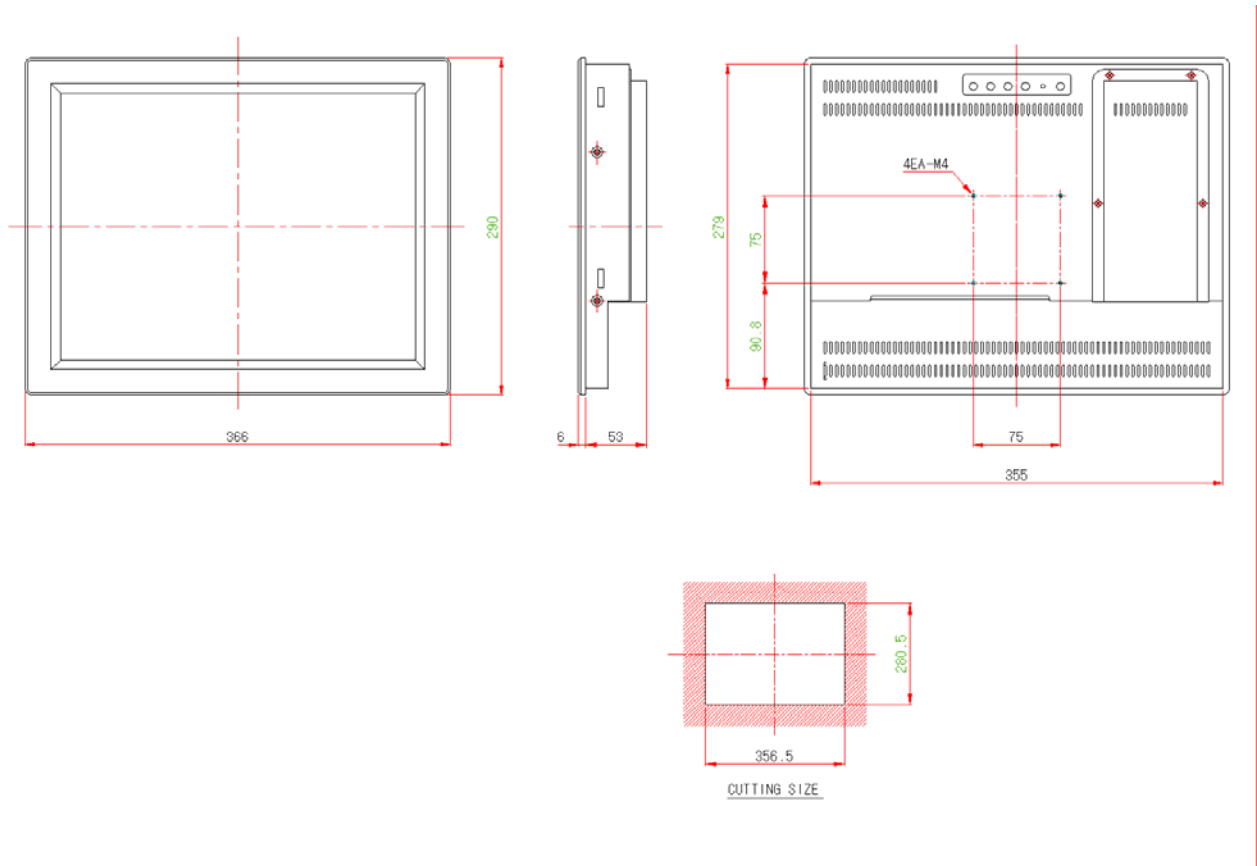
	No Cable	In case of not connected PC VGA Cable with A/D Controller, the message "No Cable " is displayed.
	No signal	If there is no PC VGA Signal(R,G,B H-SYNC, V-SYNC), the message "No Signal " is displayed.
	Out of Range	In case of detecting the mode (resolution) that cannot be totally supported by LCD. In order to remove the phenomenon, it should be adjusted into the mode (resolution) that can be supported by LCD.

4. Dimensions Introduction

* No power Type



* Power Type



Appendix

1. Packing List

- LCD Monitor
- LCD Monitor Manual
- AC Power Inlet Cable or AC Adapter
- VGA Cable
- Supporters, 4PCS
- Touch Cable (Optional)
- Touch Screen Install Diskette (Optional)
- Touch Screen User's Manual (Optional)