

EX91170T Display Monitor User Manual

Release Date

April 2005

Revision

V0.1

Warning!

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference

Electric Shock Hazard – Do not operate the workstation with its back cover removed. There are dangerous high voltages inside.

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Chapter 1

1.1 Features

	EX91170T
Display	17" TFT SXGA LCD
Luminance	300 cd/m ²
Front panel NEMA 4/IP 65 rating	
Wall-mount screw holes	
Resistive touch screen (optional)	
Optional DVI, Video or S-Video input ^o	
Supports wide-ranging resolutions from 640x480 to up to 1600 x 1200 with auto phase and auto position.	

1.2 Specifications

Display

	EX91170T
Display	17"
Luminance	300 cd/m ²
Viewing Angle	140(H)x130(V)
Resolution	1280x1024,16.2Mcolors
Backlight	CCFL tube x 4 50,000hrs(1/2 brightness)
Touch Screen	Resistive antiglare
OSD Controls/Indicators	Automatic screen, setup (OSD), brightness, contrast, horizontal/vertical position, image lock, color balance, video information, power on and sync detected
OS Compatibility	Win 95/98, XP, 2000, NT 4.0, QNX, Linux
Internal Power Adapter	Input: 100~240 ±10% VAC, auto ranging, output: +12VDC@5A

Environment

Operating Temperature: 0~50°C (32°~122°F)
Storage Temperature: -20~60°C (-4°~140°F)
Relative Humidity: 10~90% @40°C non-condensing, without touch screen
Vibration: 1g peak, 5~500Hz (at random)
Shock: 15G peak acceleration (11msec. duration)/operation
Ratings: NEMA 4/12, IP65
Certifications: CE/FCC Class A

Mechanical

	EX91170T
Construction	Steel chassis and front panel
Dimensions	457(W)x75(D)x355mm(H)
Dimensions Cutout	422(W)x331mm(H)
Weight	
Mounting Options	Panel mount, rack mount (optional)

Ordering Information

EX91170T	17" industrial display monitor (steel bezel) with resistive touch screen
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1.3 Dimensions

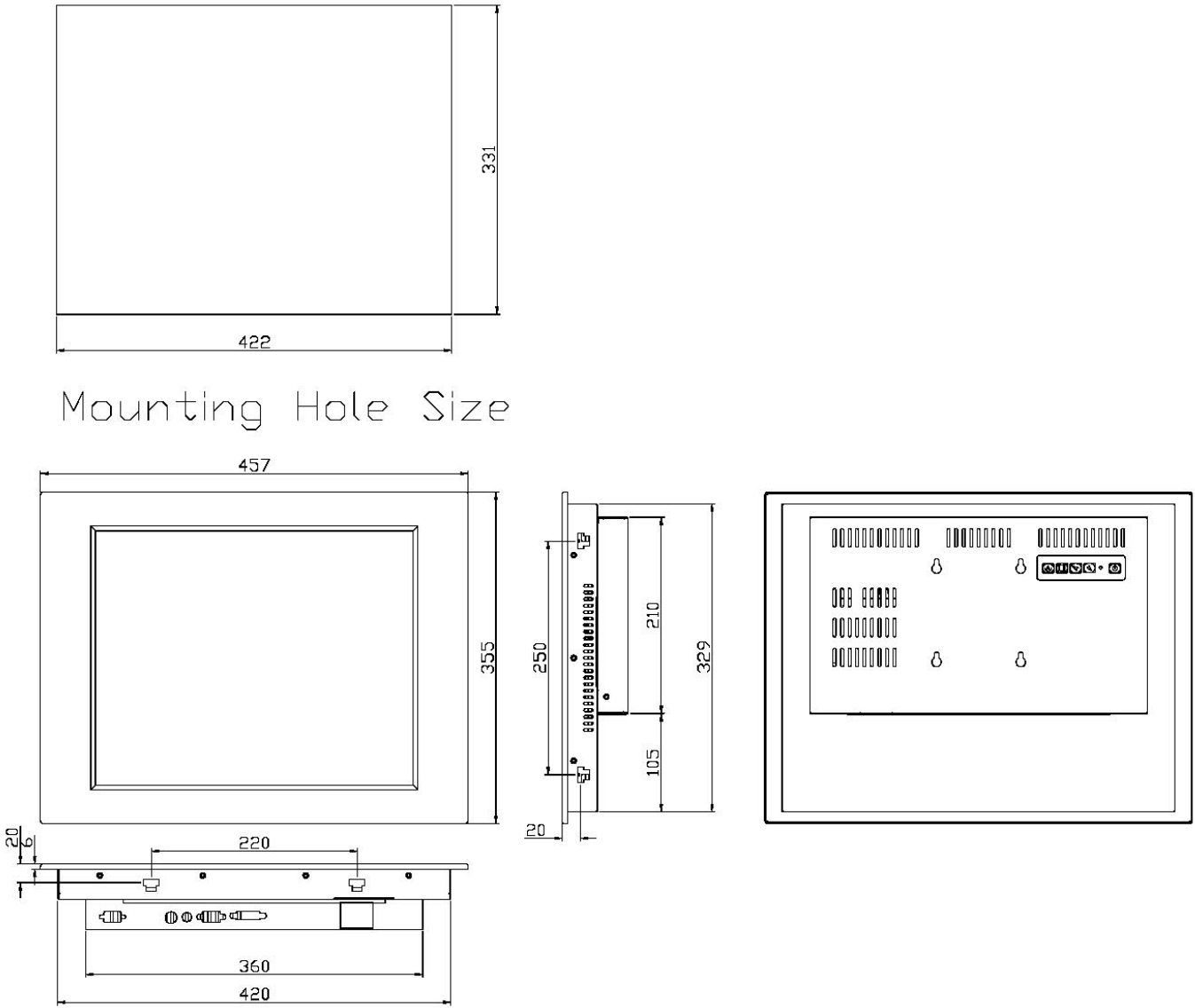


Figure 1.1: Dimensions of the EX91170T

1.4 Brief Description of the EX91170T

The EX91170T feature an excellent viewing ability for monitoring and control applications. It is available with resistive touch screen that is easy to use and maintain.

The front panel of the display monitor is sealed with gasket for NEMA 4/IP 65 rating when it is panel-mounted in a NEMA rated cabinet or enclosure.



Figure 1.2: Overall View of EX91170T (17")




Figure 1.3: Rear View of EX91170T (17")


1.5 Display Mode

Display Mode		Hori. Sync (KHz)	Vert. Sync. (Hz)
VGA 640 x 480		31	60
		38	72
		38	75
SVGA 800 x 600		35	56
		38	60
		48	72
		47	75
XGA 1024 x 768		48	60
		56	70
		60	75
SXGA	1152 x 864	68	75
	1280 x 1024	64	60
		80	75

Chapter 2


2.1 Front Panel Controls

 Power switch: To turn ON or OFF the power

 Shift the icon to the right side or shift it up










 Shift the icon to the left side or shift it down

 Menu: To enter OSD menu for related icon and item.

 Auto Button: One-touch auto adjustment

2.2 OSD Controls

To make any adjustment, select the following:

1. Press  (Menu) to show the OSD menu or disable the OSD menu.
2. Select the icon that you wish to adjust with the (/ or +/-) key in the menu.
3. Press  (Menu) and then choose the item with the (/ or +/-) key.
4. Press  (Menu) and then adjust the quality with the (/ or +/-) key.

2.3 Main Menu



In the color menu, there are the following items:

- Contrast
- Brightness
- Gamma Correct
- Color Adjust
- Exit



For picture, check out the following:

H.Position: Shift the picture to the left or right

V.Position: Shift the picture up or down

Sharpness: Fine-tuning of image sharpness

Phase: This field allows you to fine-tune the display quality

Exit: Back to icon



For function, check out the following:

- Auto Adjust
- Auto Position
- Auto Phase
- Auto Clock
- Auto Colour
- Exit



In the OSD Menu, there are the following:

- Language
- OSD H. Position
- OSD V. Position
- OSD Timer
- Translucent
- Exit



In the miscellaneous menu, there are:



- Signal Source
- Mode Select
- Reset
- Volume
- Exit






Exit to go back to icon.

2.4 AD Board (TB-6020) OSD Functions





1.) Getting into Burn-in Mode

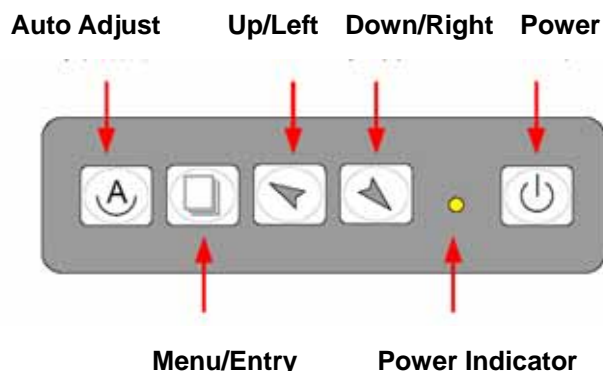
Before setting into a burn-in mode, first disconnect the AC power cord. Then press (don't let them go) the   buttons until the AC power cord is connected and the "RGB" appears on the top left corner of your screen. Now it can be put into the burn-in mode for changing colors.

2.) Getting Out of Burn-in Mode

Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the  button (If not workable, press the  button and don't let them go) until the AC power cord is connected. Please don't let your fingers go until the AC power cord is connected again and the wording of "RGB" appears on the top left corner of your screen, and wait for 3 second. Under the non-signal entry situation, if  is seen, exit is thus successfully made.

When the Burn-in Mode is Unable to Eradicate...

- 1.) If the "RGB" is still on the top left corner of the screen, press  to enter "Miscellaneous" and choose "Reset", and then **Yes**, and press . When the screen goes black, disconnect power and repeat the above steps.
- 2.) If the "RGB" is not found, disconnect the AC power cord first. Then press the   buttons (don't let them go) until the AC power cord is connected, and wait for 2 to 3 seconds. When "RGB" appears, repeat the above steps.
- 3.) Functions of OSD Keys



Appendix

Panel Mounting

The EX91170T display monitor is designed to be panel-mounted as shown in Figure A. Just carefully place the unit through the hole and tighten the given 8 screws from the rear to secure the mounting.

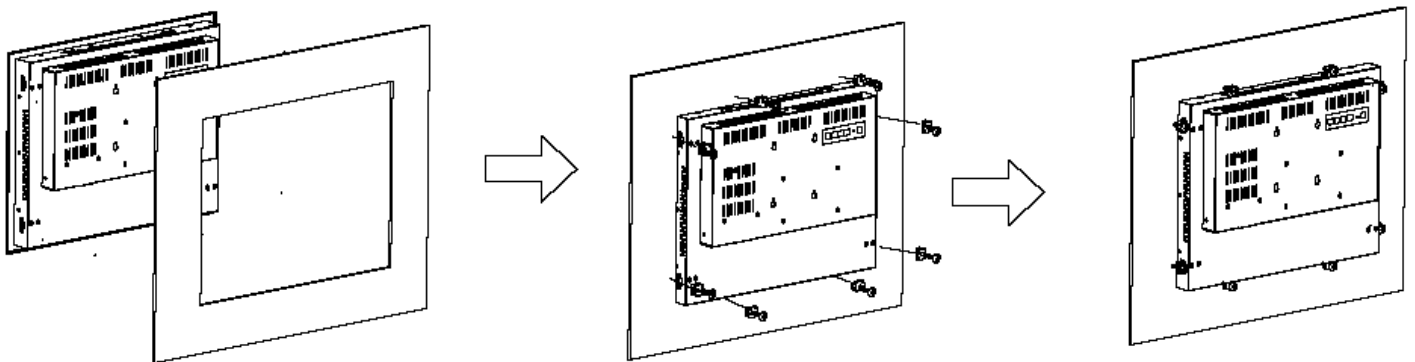


Figure A: Panelmounting of the EX91170T

Rack Mounting (optional)

The EX 91170T display monitor can be rack-mounted as an option. Just carefully slide it into the rack and tighten the given 8 screws from the front to secure the mounting as shown in Figure B.

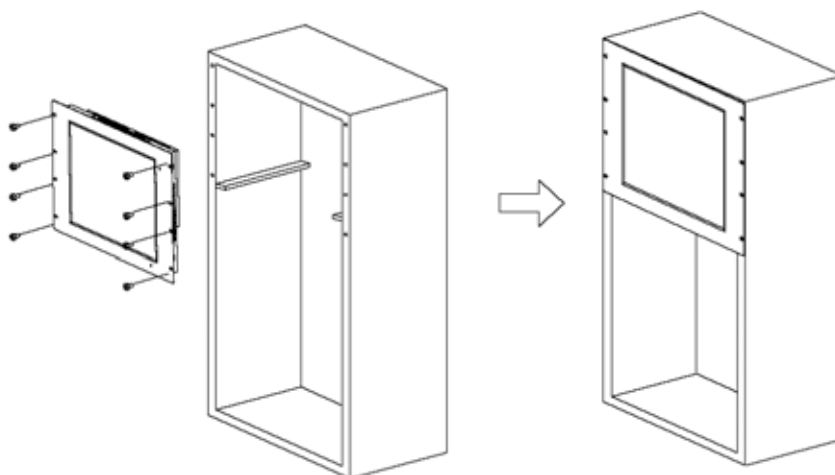


Figure B: Rackmounting of the EX91170T