



AXIOMTEK

P6187W/P6157W

18.5" WXGA TFT Monitor

15.6" WXGA TFT Monitor

User's Manual



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CAUTION

If you replace wrong batteries, it causes the danger of explosion. It is recommended by the manufacturer that you follow the manufacturer's instructions to only replace the same or equivalent type of battery, and dispose of used ones.

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Safety Precautions

Before getting started, read the following important cautions.

1. Be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and place all electronic components in any static-shielded devices. Most electronic components are sensitive to static electrical charge.
2. Disconnect the power cords from the P6187W/P6157W Series before making any installation. Be sure both the system and the external devices are turned OFF. Sudden surge of power could ruin sensitive components. Make sure the P6187W/P6157W Series is properly grounded.
3. Do not open the system's top cover. If opening the cover for maintenance is a must, only a trained technician is allowed to do so. Integrated circuits on computer boards are sensitive to static electricity. To avoid damaging chips from electrostatic discharge, observe the following precautions:
 - Before handling a board or integrated circuit, touch an unpainted portion of the system unit chassis for a few seconds. This will help to discharge any static electricity on your body.
 - When handling boards and components, wear a wrist-grounding strap, available from most electronic component stores.

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Chapter 1

Introduction

This chapter contains general information and detailed specifications of the P6187W/P6157W. Chapter 1 includes the following sections:



- General Description
- Features
- Specification
- Dimensions
- I/O Outlets
- Package List

1.1 General Description

The P6187W/P6157W, a industrial 18.5/15.6 inches view area LCD Monitor comes with slim, light and reliable features to replace traditional bulky CRT for Industrial application. Its unique flat design is fit for panel mounting or VESA mounting. The display interface offers VGA-in, DVI, S-Video, and Video standard interfaces for different input source from PC system or multimedia system that let you upgrade the display don't change anything from your system. Besides, for varied HMI field, you can choose one of projective capacitive or glass interface to meet your application. In addition, this monitor has more comfort, safety, and environmental protection for humanized & health consideration those would be the benefit that users can get.

This LCD monitor builds in color active matrix thin-film-transistor (TFT) liquid crystal display to provide superior display performance. A maximum resolution of 1366x768 is ideal for displaying complex graphics and high definition images. Other outstanding designs that enhance this LCD monitor's performance are Plug & Play compatibility, and OSD (On Screen Display) controls, especially OSD, it made you ease adjustment on screen image.

1.2 Features

- High contrast color 18.5"/15.6" WXGA TFT LCD display support resolution up to 1366x768
- Flat design with NEMA4/IP65-compliant
- Suits with project capacitive or glass
- High Brightness and Ultra-wide viewing angle with anti-glare features.
- Power management system conforms to VESA DPMS standard
- Advanced OSD control for picture quality adjustment
- Supports VESA ARMs, Desktop Stand Rear, Panel, Wall mounting

1.3 Specifications

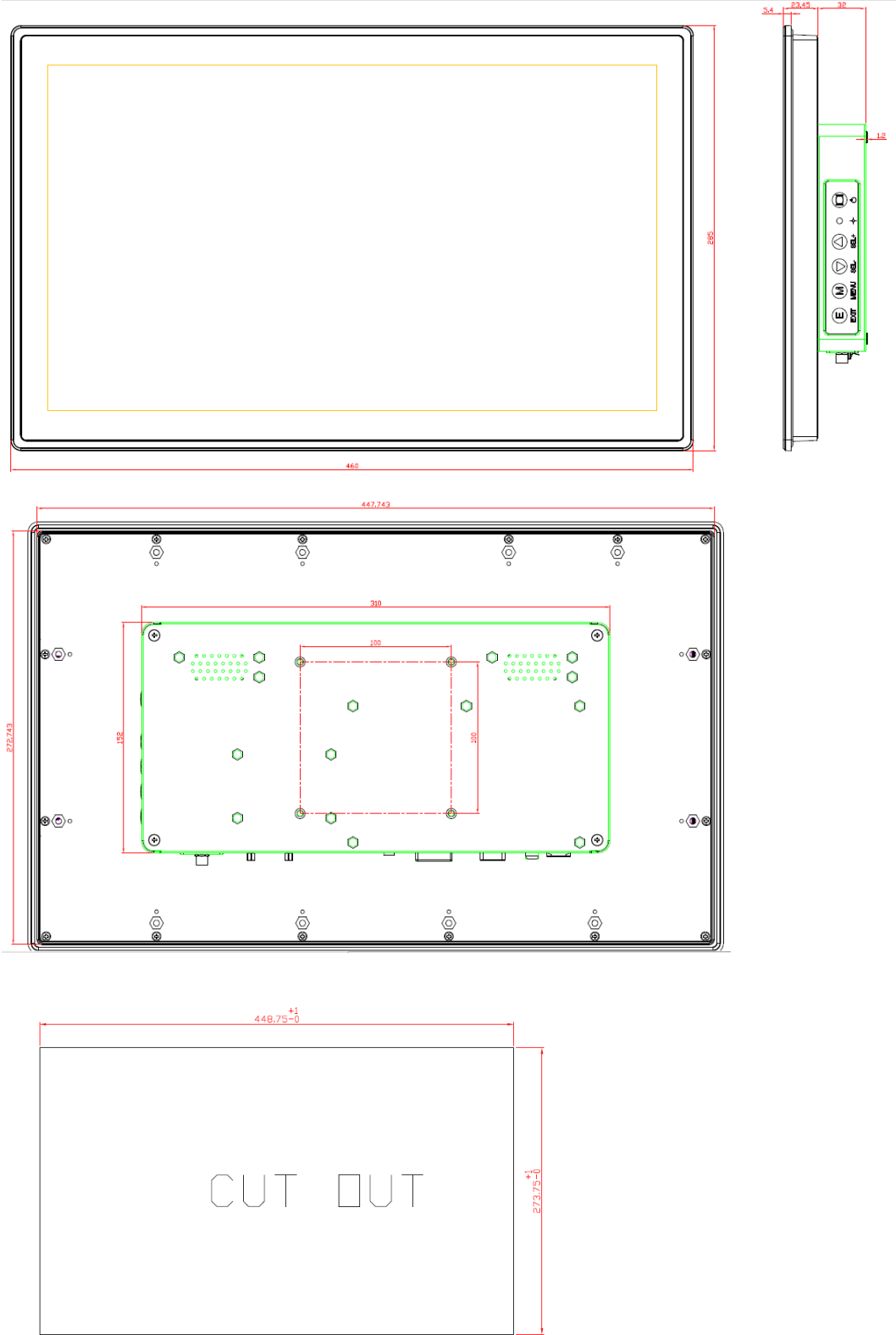
- 18.5"/15.6" WXVGA(1366x768) LCD with LED backlight
- Projected Capacitive Touch
- Flat design with NEMA4/IP65
- Control: OSD (On Screen Display) control pad on the side
- Mounting: Support Panel mount, VESA arm mounting, and Wall mount (optional)
- Net Weight
 - P6187W: 4.8KGS
 - P6157W: 4KGS
- Dimension (Main Body Size)
 - P6187W: 595X490X190 mm
 - P6157W: 525X186X470 mm
- Operation Temperature
 - -10°C to 50°C
- Relative Humidity
 - 20% to 90% @ 40°C, Non-Condensing
- Power input
 - Screw-type external AC
 - DC power adaptor
 - Max power consumption: 22W



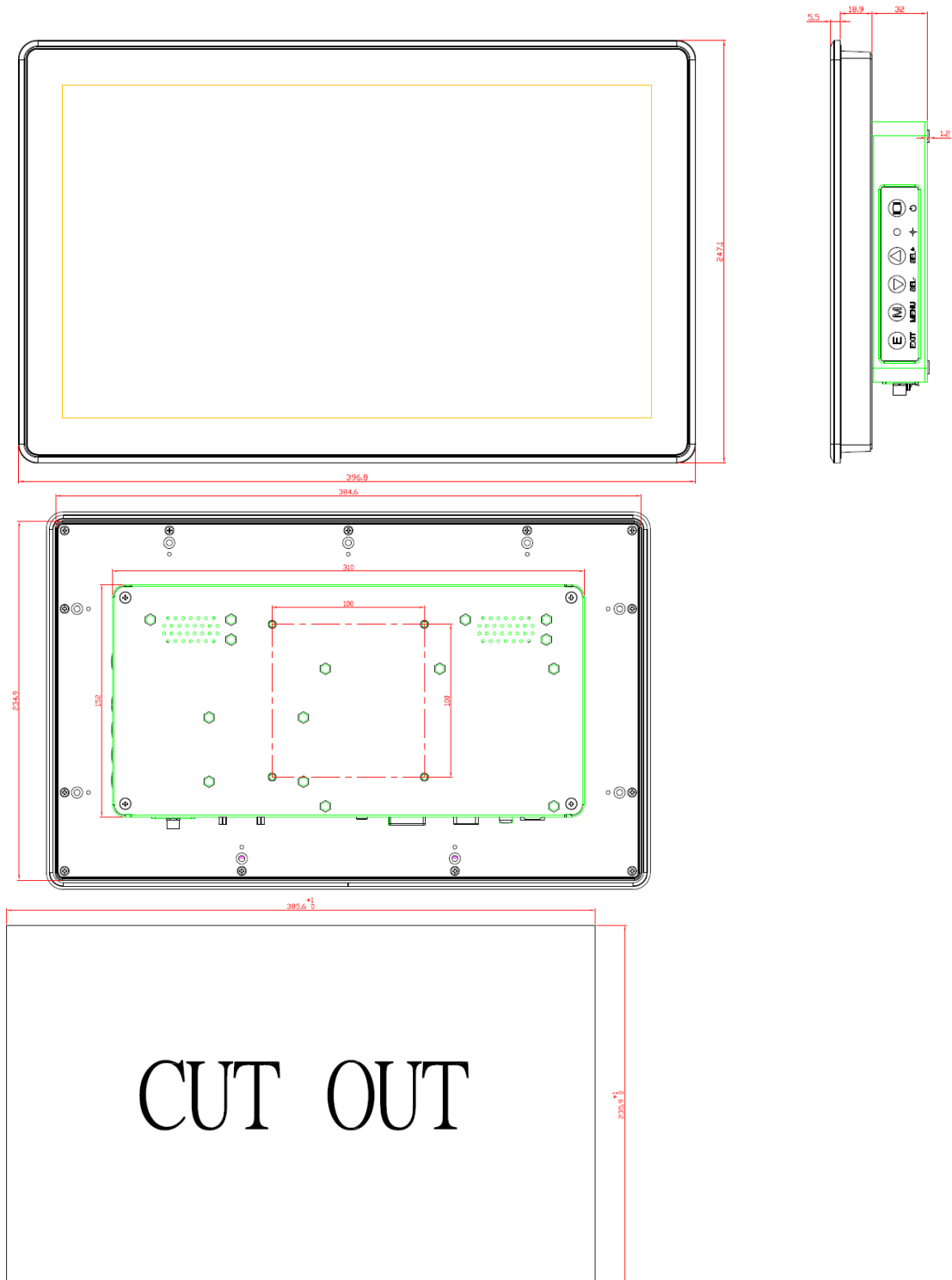
NOTE All specifications and images are subject to change without notice.

1.4 Dimensions and Outlines

The following diagrams show the dimensions and outlines of P6187W.

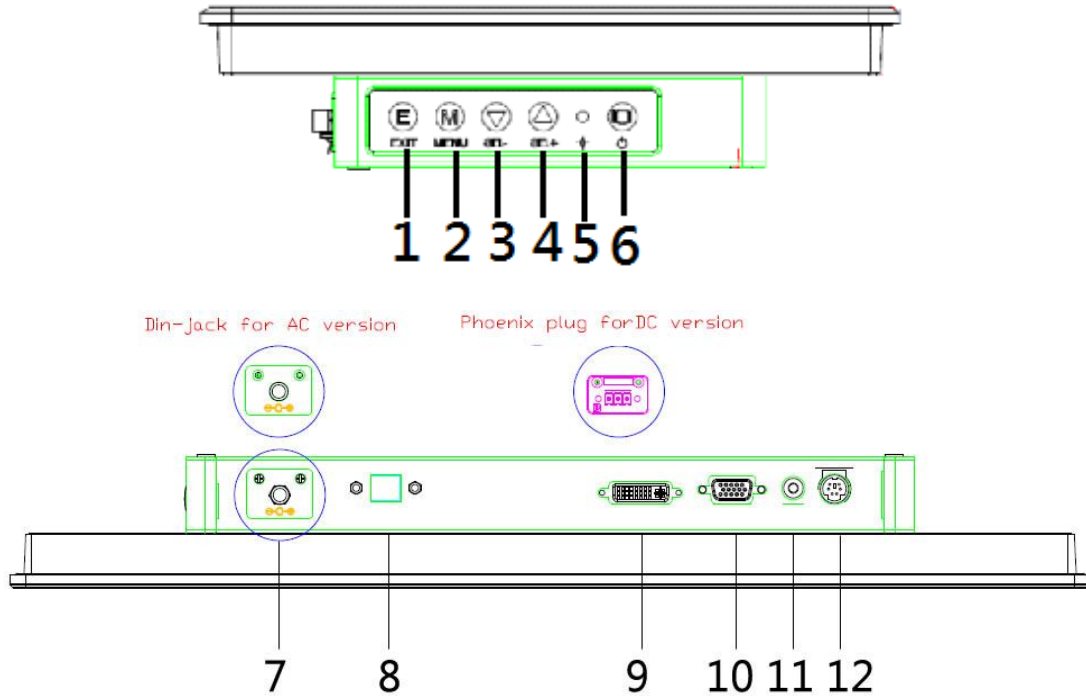


The following diagrams show the dimensions and outlines of P6157W.



1.5 I/O Outlets

Please refer to the following illustration for I/O locations of the P6187W/P6157W.



No	Function	No	Function
1	Exit/Auto Adjust	7	Screw type or Phoenix type power input
2	Menu	8	T/S port
3	SEL-	9	DVI-D
4	SEL+	10	VGA
5	Power LED	11	Video (AV)
6	Power Switch	12	S-video

1.6 Packing List

When you receive the P6187W or P6157W, the bundled package should contain the following items:

- **P6187W unit x 1 or P6157W unit x1**
- **VGA cable x1**
- **DVI cable x1**
- **USB cable x1 (for Projective Capacitive touch version only)**
- **Adaptor x1 (for AC version only)**
- **P6187W : Panel mount kit x 12**
P6157W : Panel mount kit x 9

If you can not find the package or any items are missing, please contact Axiomtek distributors immediately.

Chapter 2

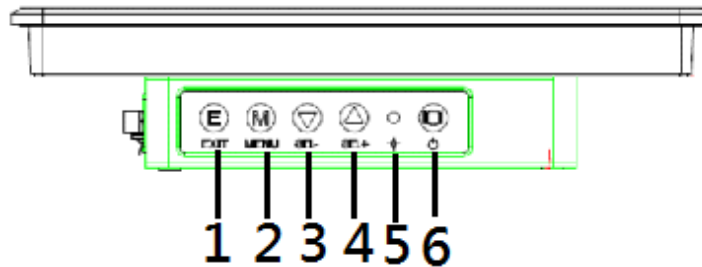
System Setup

This chapter details the system parts and components with figures. Sections include:

- **System Configuration**
- **Panel Mounting**
- **Wall Mounting**

2.1 System Configuration

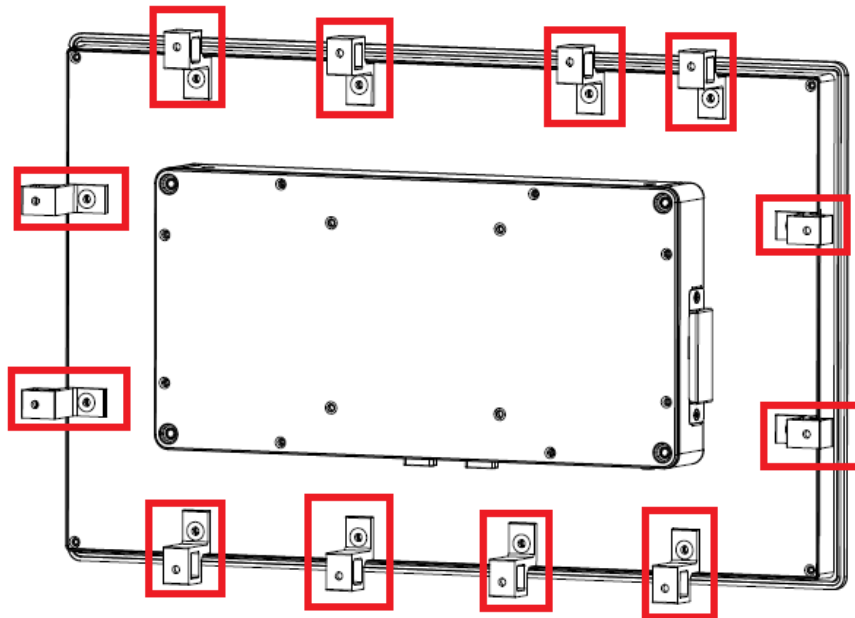
The figure below shows the side views of P6187W/P6157W series.



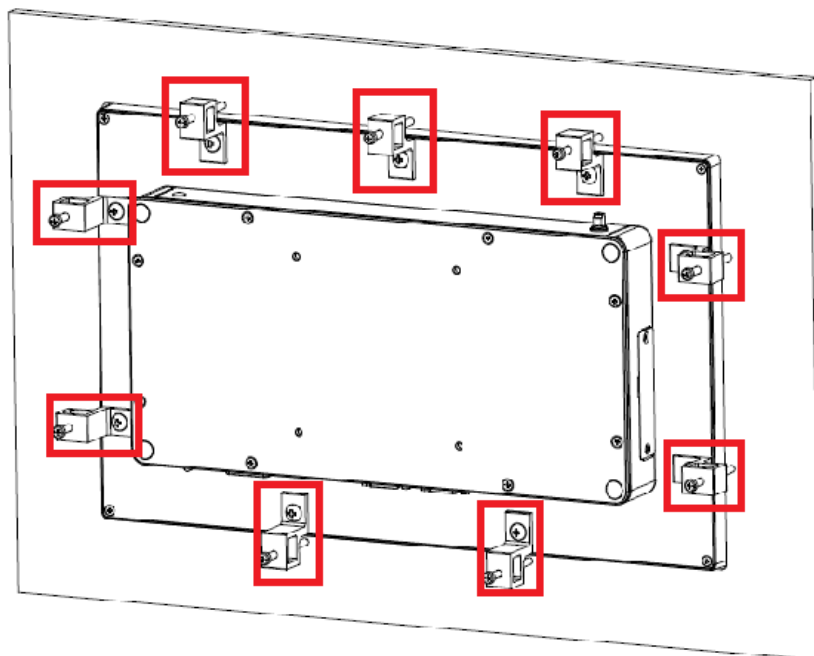
- 1. Exit:**
 - Jump out the selection icon .
 - Auto adjust.
- 2. Menu:**
 - Press this button to turn on/off the OSD (On Screen Display) main menu.
 - Press this button to activate selected items.
- 3. SEL-:**
 - To scroll down the menu.
 - To decrease the value of selected item.
- 4. SEL+:**
 - To scroll up the menu.
 - To increase the value of selected item.
- 5. Power LED:**
 - When the light is green, the power is on, red light when stand by.
- 6. Power switch:**
 - Press this button to turn on/off the monitor.

2.2 Panel mounting

The P6187W/P6157W is designed for panel mount application. To mount the P6187W/P6157W, the standard set of mounting kit (included in the system packaging) is needed.



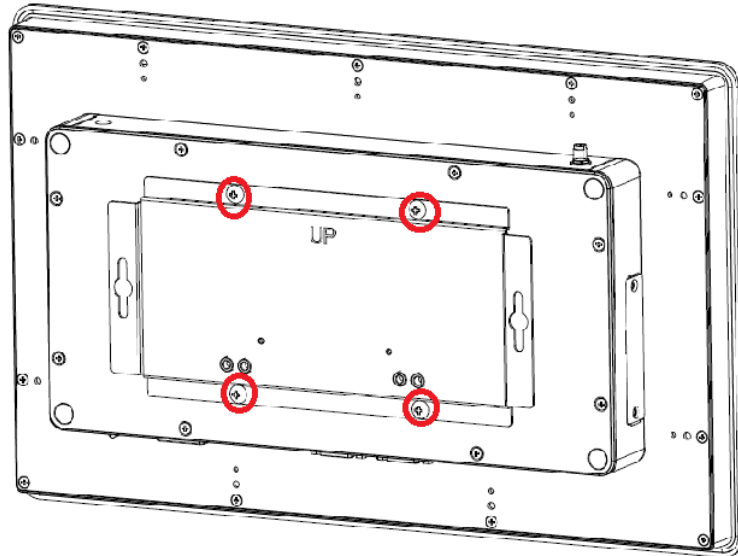
▲ P6187W Panel Mount kits



▲ P6157W Panel Mount kits

2.3 Wall mounting

The P6187W/P6157W provides VESA mount and wall mount. Screw four screws to fix the kit in the back chassis.



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Appendix A

Supported Input Timing Modes

Supported Input Timing Modes

MODE \ SPEC	Pixel Freq.	Horizontal Timing				Vertical Timing			
		Sync	Freq.	Total	Active	Sync	Freq.	Total	Active
	MHZ	Polar	KHz	Pixel	Pixel	Polar	Hz	Line	Line
640×350 @70Hz	24.144 VESA	P	31.430	800	640	N	70.000	449	350
640×480 @60Hz	25.175 VESA	N	31.469	800	640	N	59.940	525	480
640×480 @60Hz	25.175 VESA	N	31.469	800	640	N	59.940	525	480
640×480 @72Hz	31.500 VESA	N	37.861	832	640	N	72.809	520	480
640×480 @75Hz	31.500 VESA	N	37.500	840	640	N	75.000	500	480
720×400 @70Hz	28.287 VESA	N	31.430	900	720	P	70.000	449	400
800×600 @56Hz	36.000 VESA	P	35.156	1024	800	P	56.250	625	600
800×600 @60Hz	40.000 VESA	P	37.879	1056	800	P	60.317	628	600
800×600 @72Hz	50.000 VESA	P	48.077	1040	800	P	72.188	666	600
800×600 @75Hz	49.500 VESA	P	46.875	1056	800	P	75.000	625	600



NOTE: Timing depends on LCD Panel's requirement.






SPEC MODE	Pixel Freq.	Horizontal Timing				Vertical Timing			
		Sync	Freq.	Total	Active	Sync	Freq.	Total	Active
	MHZ	Polar	KHz	Pixel	Pixel	Polar	Hz	Line	Line
1024×768 @60Hz	65.000 VESA	N	48.363	1344	1024	N	60.005	806	768
1024×768 @60Hz	64.000 VESA	N	48.780	1312	1024	N	60.001	813	768
1024×768 @70Hz	75.000 VESA	N	56.476	1328	1024	N	70.070	806	768
1024×768 @75Hz	80.000 VESA	N	60.241	1328	1024	N	74.927	804	768
1024×768 @75Hz	78.750 VESA	P	60.023	1312	1024	P	75.030	800	768
1366×768 @60Hz	85.5 VESA	P	47.712	1792	1366	P	59.79	798	768

Appendix B

OSD Operation

Function Description of OSD Menu

※The layout and format of OSD depends on customer's request.

OSD MENU	Description
 <p>General</p>	<p>Adjust the List :</p> <ul style="list-style-type: none"> ● Brightness of the screen. ● Contrast of the screen. ● Horizontal size of the screen's image. (for VGA input only) ● Vertical size of the screen's image. (for VGA input only) ● Horizontal position of the screen's image. (for VGA input only) ● Vertical position of the screen's image. (for VGA input only) ● Sharpness of the screen's image.
 <p>Color</p>	<p>9300K , 7500K and 6500K Temperature, user Temperature .</p>
 <p>Languages</p>	<p>Multi language support 8 languages (English, French, German, Spanish, Italian, Japanese, Russian and Chinese) .</p>
 <p>Tools</p>	<p>Adjust the List :</p> <ul style="list-style-type: none"> ● OSD Time out . ● OSD position . ● OSD Transparent. ● Recall : "Yes" allows you to recover to the preset mode . ● Auto Adjust...Horizontal position, Vertical position, Horizontal size, Phase of the screen's image . ● White balance
 <p>Choose Source</p>	<p>Choose Source: (option)</p> <ul style="list-style-type: none"> ● Analog (VGA) ● Digital (DVI) ● Analog(S-Video) ● Analog(CVBS)

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