

NEOVIEW AL150

USER MANUAL

15.0" TFT LCD MONITOR

[FOR EXPORT]



LCD PC No.1 Company

ATEC SYSTEM

#1451-78, Seocho-Dong, Seocho-Gu, Seoul,
137-867, Korea
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[http:// www.atech.co.kr](http://www.atech.co.kr)

Rev 1.0

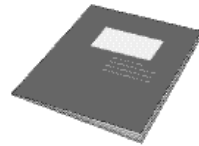
ATEC SYSTEM

After opening the box, Please check to ensure that following accessories are provided with the monitor

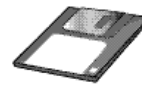
VGA Signal Cable



User Manual



Monitor Driver



DVI Cable



The actual monitor and accessories may appear differently from those shown on the above figure

Agency Regulation Notice

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Before Use

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The name and function of each individual part in the screen adjusting block

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MENU ADJUST

OSD ADJUST

EXIT

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Please keep the user manual in a place where product users can refer to it.

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

INFORMATION TO THE USER

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet in a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

CE Conformity Notice

The Product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the "CE" mark accordingly.

Confirms to the following harmonized European standards have been applied:

EMC : EN 55022 Class B: 1998

EN 55024: 1998 (EN 61000-4-2: 1995, A1: 1998, EN 61000-4-3:1996,
EN 61000-4-4: 1995, EN 61000-4-5: 1995, EN 61000-4-6: 1996,
EN 61000-4-8: 1993 and EN 61000-4-11: 1994)
EN 61000-3-2: 1995, A1: 98, A2: 98
EN 61000-3-3: 1995

15.0" (38.016cm) LCD Panel Adopted

- Adopted the 15.0" LCD (Liquid Crystal Display) Panel which allows you efficient use in a small space due to the slim design.

A Dynamic Convenient Design

- The Embodiment of Wall-mounted Display.

Plug & Play Function

- The Plug & Play function is available, freeing the user from having to reboot or set up the system during operation.
- The user does not have to adjust the monitor to computer connection, as optimal screen settings are automatically provided through the DDC (Display Data Channel) system.

Power Consumption Economy Function

- The VESA DPMS (Display Power Management Signaling) function is available to reduce power consumption by automatically switching the computer into the power saving mode if the system doesn't operate for a fixed period of time.

AUDIO Function

- A speaker is embedded so that the user can hear sound without separate speakers.

OPTION

- USB 4Port can be embedded to use the USB without an external Hub.

- Matters that demand special attention are divided into 'Warning' and 'Caution' and are detailed as follows



Warning

In case of the possibility that a serious injury or death may occur during a violation of the instructions.



Caution

In case of the possibility that a slight injury or product damage may occur during a violation of the instructions.



Warning

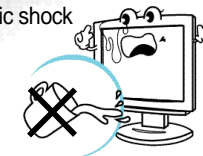
No one but trained repair engineers may disassemble the monitor. Please contact the appropriate sales agency or customer counsel window for check-ups, adjustment and repair.

A fire or electric shock accident may be caused.



Please note not to allow liquids such as chemicals, water etc to contact the monitor.

A fire or electric shock accident may be caused.



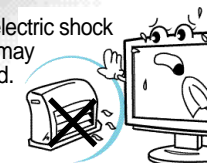
Don't place or drop metals (such as coins, hair pins, or ironware) or flammable items (such as paper, or matches) onto the monitor.

A fire or electric shock accident may be caused.




Don't place the monitor near to heat sources (such as a fireplace), and keep out of the sun.

A fire or electric shock accident may be caused.



* The sign on the product and userguide instructs as following.

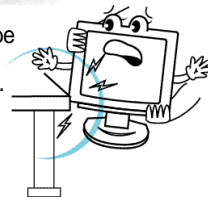
* A sign  signifies the need for particular attention in order to avert potential danger under certain conditions.



Warning

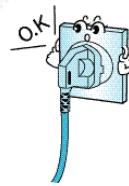
Please be careful to keep the panel from being scratched or damaged when you transport the monitor.

The panel may be damaged, causing a failure.



Please insert the two pins of the plug completely so that the power supply unit can be connected tightly.

Unsafe power connections may cause a fire.



Don't set up the equipment in a humid environment (such as bathroom, rainy or windy area, etc).

Accidents of electric shock, fire or failure may occur.



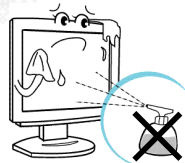
Please stop using in case of smoke or abnormal odors. Immediately switch off the power, and pull out the power cord from the wall. Contact the service center.

Continuity of use in such a state may cause a fire or electric shock.



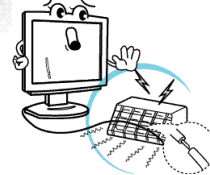
Don't sprinkle water directly on any part of the monitor body.

An electric shock or fire accident may occur.



Please keep the power cord from proximity to a heating instrument.

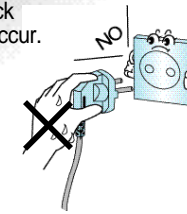
The covering material of the cord may melt, causing a fire or electric shock.



Warning

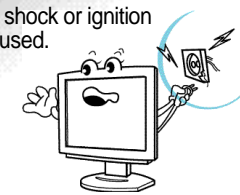
Never touch the power plug with wet hands.

An electric shock accident may occur.



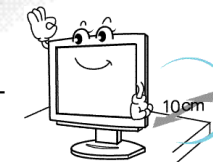
Don't use a power cord or plug that is damaged or has a loose connection.

An electric shock or ignition may be caused.



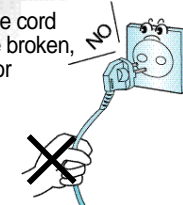
Please set up the monitor at a proper distance (over 10 cm) away from the wall for sufficient ventilation.

A fire may be caused due to an increase in internal temperature.



Please grasp the power plug at the base to remove it from the wall, and pull firmly but gently.

If you yank at the cord the wire may be broken, causing ignition or heat generation.



Please note that air-flow holes must not be blocked by a table cloth or curtain.

A fire may be caused due to an increase in internal temperature.



Don't set up the equipment on an unsupported shelf or angled surface, nor on an area subject to serious vibration.

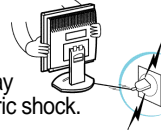
Fall or displacement of the equipment may cause an injury.



Warning

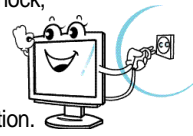
You must switch the power off and pull the power cord out before moving the monitor. You should also check as to whether external connection cords - such as the connection cords between component parts - are all pulled out before the movement.

A damaged cord may cause a fire or electric shock.



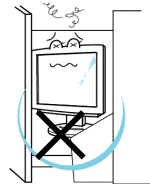
Pull the power cord out when the monitor is not used for a long time, or while you are away.

A dust covering may cause an electric shock, electric leakage, or fire by heat generation, ignition, and insulation degradation.



Don't set the monitor in a narrow place with poor ventilation such as a bookcase

A fire may be caused due to an increase in internal temperature.



When you clean the panel surface, pull the power cord out first, and wipe the surface with a clean, dry and soft cloth. Don't use a damp cloth.

Such action may be the main cause of an electric shock accident and failure.



Caution

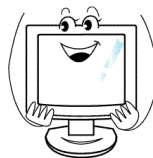
Don't put pressure upon the panel or score the surface with your hands or sharp items (nails, pencils, pens, etc).

Damage or failure of the panel may be caused.



When you move the monitor, take hold of it with both hands setting the panel forward.

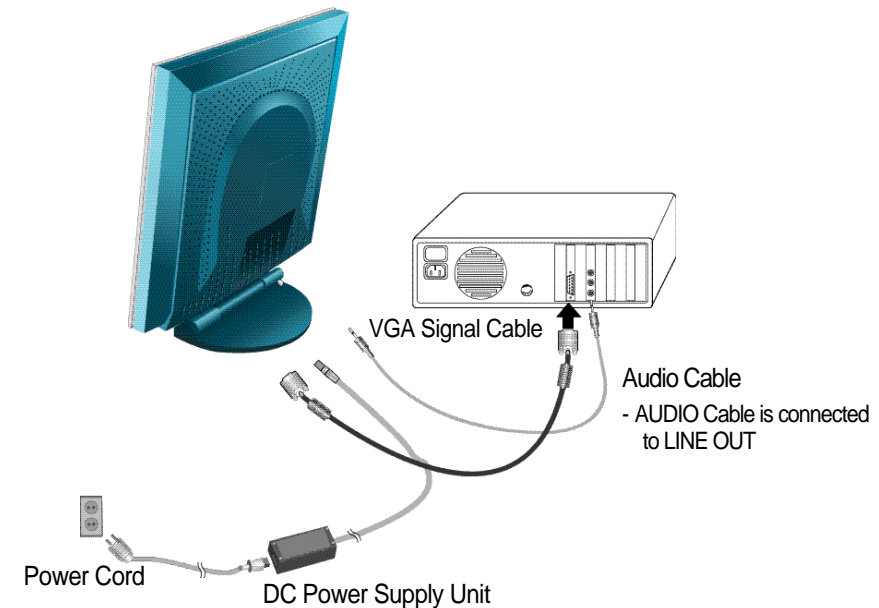
If you drop the monitor, contact the service center to check it for a susceptibility to fire or electric shock.



How do I connect the computer cables?

How do I connect with the IBM computer ?

1. Ensure that the computer, monitor and peripheral equipment power is turned off.
2. Connect signal cables with the D-Sub signal input connector and the monitor signal input connector respectively.
3. Connect one DC power jack of DC power supply unit to the 12V terminal, and the other to the power cord. Next connect the power cord to the concent.
4. Turn the monitor power on after switching the computer power on.
5. If the message 'Power Saving Mode' shows up, check the connection of the VGA signal cable or connector.
6. Switch the monitor and computer power off at the end of use.



'Power Saving Mode' message

If the signal input cable between the monitor and computer isn't correctly connected, this message will be displayed on the screen. For more information, please refer to 'Troubleshooting'

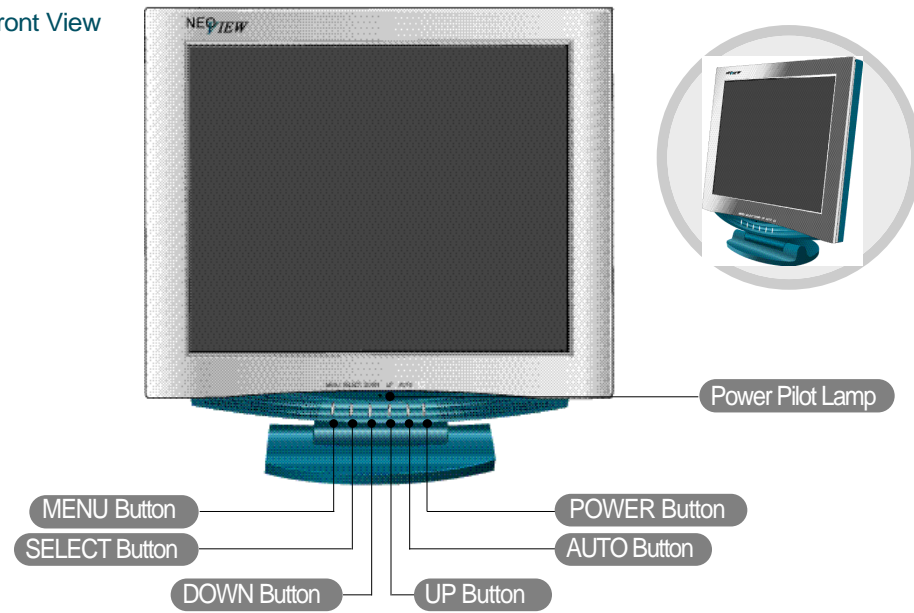
Power Saving Mode

Connect with the Macintosh computer

Use the appropriate MAC to VGA adapter block at your system.

The Name and Function of Each Individual Part

Front View

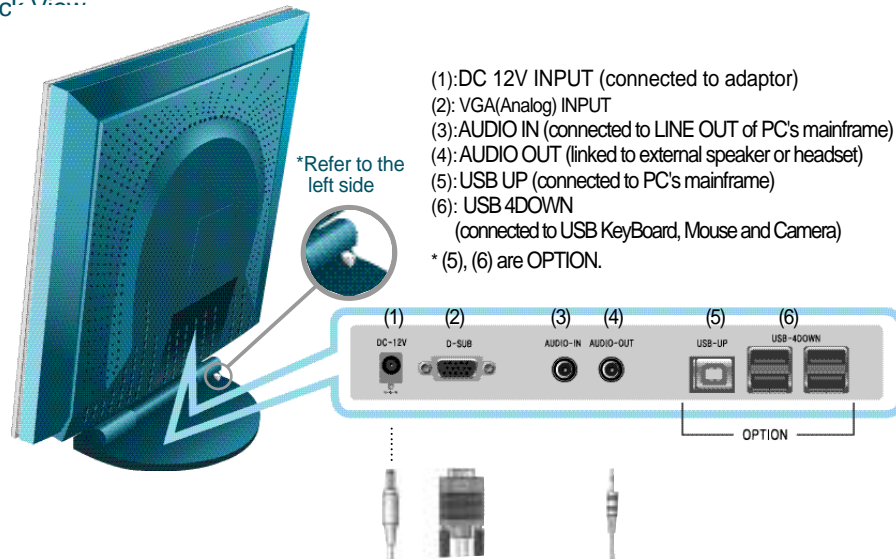


Stand Control Button

Stand Control Button comes to Tilt up to -5 ~ 20 and is fixed at 20. In case of folding the stand, you should control with the button pressed as in the picture.

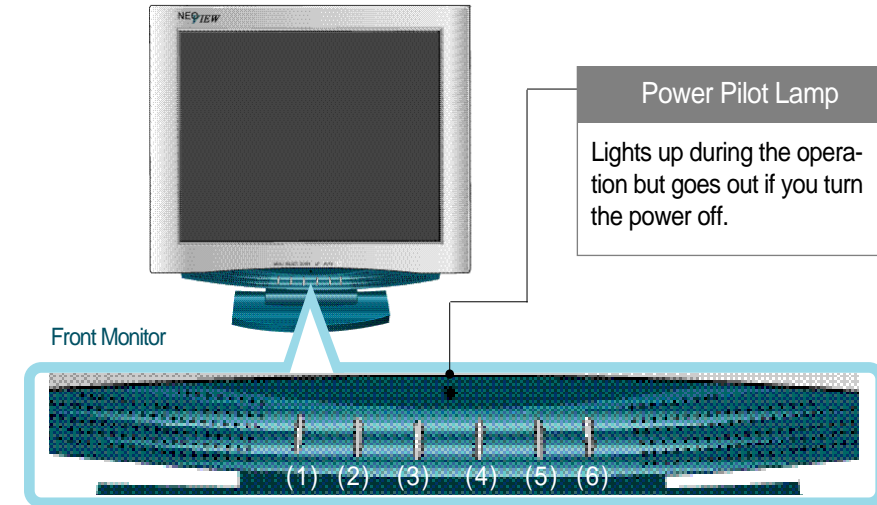


Back View



The Name and Function of Each Individual Part

The Name and Function of Each Individual Part in the Screen Adjusting Block



(1) MENU Button

It makes OSD menu picture appear or disappear. It is also used when you enter into or get out of submenu.

(2) SELECT Button

Used to select an icon to be adjusted from the OSD screen.

(3) DOWN Button (4) UP Button

It is for shifting OSD screen to up and down or increase and decrease the value of icon selected. (And it also volume up and down without pressing MENU.)

(5) AUTO Button

The screen is automatically adjusted to the optimal display state applicable to the current mode, while the following message appears.

(6) POWER Button

Once pressed, it powers up the system. Once more, it shuts down the system.
 - Green ON : system activated
 - Amber ON : 1. System Standby
 2. Monitor Power Saving Mode
 3. VGA signal cable Unhooked

AUTO Function

If you select the SELECT button before using the OSD menu, the screen is automatically adjusted to the optimal display state applicable to the current mode, while the following message appears.

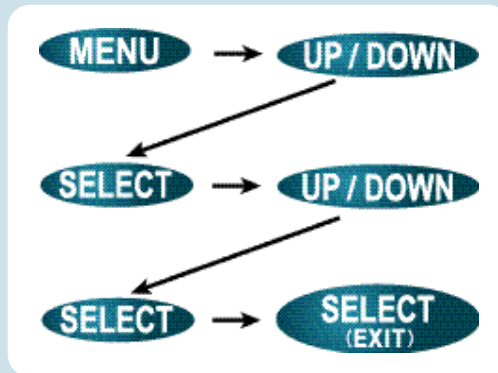


If you don't like the auto adjustment, you have to manually adjust the H/V Position, Clock, and Phase of the OSD menus. (For more information, please refer to pages 11 - 14)

How to Select and Adjust the OSD (On Screen Display) Screen

Use the OSD adjustable buttons on the side of the monitor to set/adjust to the best screen and operating environment.

If you have to adjust the screen, please adhere to the following procedure.



- (1) If you click **MENU** button, OSD menu display appears.
- (2) Click **UP/DOWN** button, move to MENU you want, and choose by clicking **SELECT** button.
- (3) Set the preferred value as using **UP / DOWN** Button
- (4) Click **SELECT** button and store your adjusted state.
- (5) If you click **SELECT** button once more, OSD display disappears.

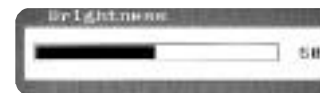
How to Select and Adjust the OSD (On Screen Display)

Descriptions of OSD adjustment and functions

MENU ADJUST



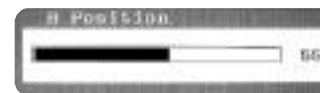
- . AUTO CONFIGURATION
- It is configured as the most appropriate, optimized screen.



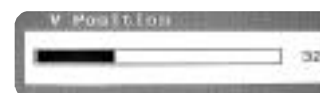
- . BRIGHTNESS
- It is used to adjust brightness of the screen.



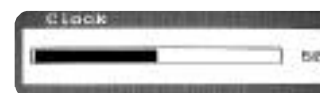
- . CONTRAST
- It is used to adjust distinction.



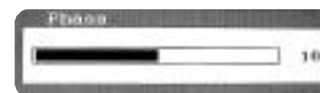
- . H- POSITION - It is used to move screen right-wards or left-wards.



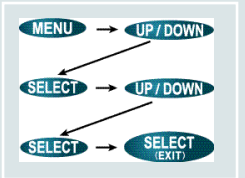
- . V- POSITION - It is used to move screen up-wards or down-wards.

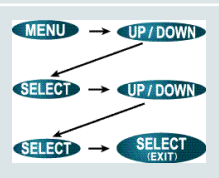


- . CLOCK - Controlling the horizontal size in screen.



- . PHASE- It is used to adjust the phase of the screen. Please use it in case there is noises or lines are overlapped.





How to Select and Adjust the OSD (On Screen Display)

Descriptions of OSD Adjustment and Functions

MENU ADJUST

- . Preset - embody the best color. (the initial value of factory)
- . Preset - choose the blue screen color.

- . User Color : color defined by use.
- . Red Gain- change the value of red color.
- . Green Gain- change the value of green color.
- . Blue Gain- change the value of blue color.
- . Exit - escape from in color.

OSD ADJUST

- . H-POS (OSD horizontal position)
- Horizontal position in OSD menu is adjusted as controlling the numerical value of it.

- . V-POS (OSD vertical position)
- Vertical position in OSD menu is adjusted as controlling the numerical value of it.

- . LANGUAGE - One of English, Italiano, Deutsch, French and Spanish may be selected.

How to Select and Adjust the OSD (On Screen Display)

Descriptions of OSD Adjustment and Functions

OSD ADJUST

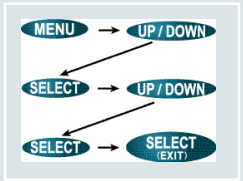
- . OFF TIMER
- . OSD menu configures a disappearance time. The maximum time of 60 sec may be set, so that it will automatically vanish unless any input value is noticed within 16 sec. (Default:16 Sec)

- . EXIT
- . It goes out of OSD menu.

- . FACTORY RESET (the initial value of factory)
- . set to the initial value in case of factory forwarding

EXIT

- . EXIT MENU
- . It goes out of OSD menu.
- . Reference
- Ver 1.0
- OSD Version
- 1024x768 / 48.4KHz x 60.0Hz
- resolution, screen scanning rate



Troubleshooting

Please check the below particulars before you contact the service center to notify an abnormality of the monitor.

Check these points

- Is the monitor power cord inserted?
- Is the power turned off?
- Is the power turned on with the power pilot lamp lit Amber?
- Is the message "Out Of Range" shown?



- Is the message "Power Saving Mode" shown?



Take these respective actions

- Please connect the power cord correctly to the concent.
- Please press the power button.
- The monitor is in the power saving mode. Please therefore move the mouse or press any key on the keyboard.
- The frequency of PC (Video Card) is out of range (i.e., horizontal: 31-60kHz, vertical: 56-75Hz). Please therefore see [Product Specification] in this guide to reset it in conformity with monitor specifications.
- The signal cable isn't connected between PC and monitor, or is missing. Please check and connect it properly.

The screen doesn't show anything.



This symptom can be discovered

Troubleshooting

Please check the below particulars before you contact the service center to notify an abnormality of the monitor.

Check these points

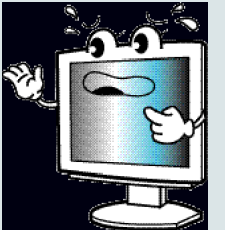
- Has a discoloration (into 16 colors) of the screen occurred?
- Is the screen color unstable or does it seem to be a single color?
- Do you see a spot on the screen?
- Is there the amplification function to soundcard in computer?

Take these actions

- Set the number of colors to more than 256 colors. On the Windows 95/98, perform the following process
[Control Panel] -> [Display] -> [Setting] -> [Color Table] -> [256 Colors] -> [OK]
- Check the connection of the signal cable, and correct it if any abnormality is found.
- You may see a few spots (in red, green, white, and black) on the screen during the operation. Occurrence of such a phenomenon is not a failure but a characteristic of the LCD panel, and therefore has no relation to the performance of the monitor.
- As the amplification is built in the monitor of our product, you should connect to LINE OUT of the soundcard for use.

This symptom can be discovered

The color of the screen is not normal



Troubleshooting

Please check the below particulars before you contact the service center to notify an abnormality of the monitor.

Check these points

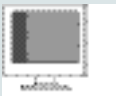
- Is the positional adjustment made correctly?
- Is the phase adjustment made properly?
- Is the screen set in the best state?

Take these actions

- Push the 'AUTO' Button, then the screen will be adjusted automatically in to the optimal state applicable to the current mode. If you are not satisfied with the auto adjustment, you can directly adjust the H Position (Horizontal Position), V Position (Vertical Position), and Clock (Horizontal Size) of the OSD menus.
- Push the 'AUTO' Button, then the screen will be adjusted automatically in to the optimal state applicable to the current mode. If you are not satisfied with the auto adjustment, you may manually adjust the Phase (Focus) of the OSD menus.
- While you are using this product in the mode of 1024X768 and 60Hz, the best condition of the screen is available. In the mode of VGA(640x480) or SVGA(800x600), the outline of a letter may be seen dimly or unevenly.

This symptom can be discovered

The screen is under a bias toward one side, or is not centrally positioned.



A faint letter is shown, or the phase is out of focus. Noise is also generated horizontally.



Product Specification

The details of product specification can be changed without notice to improve the product.

LCD Panel	panel type	a-Si active matrix TFT-LCD
	screen size	15.0"(38.016cm) diagonal
	pixel size	0.297mm x 0.297mm
	contrast	300:1(Typical)
	color	6-bit(262,144 Colors)
	resolution	XGA 1024x768
Picture Signal	brightness	200cd/m ² (Typical)
	horizontal frequency	31.5 - 60kHz
	vertical frequency	56 - 75Hz
	view angle	R/L:+/- 60, U/D:+/-45
AUDIO	input picture signal	Analog RGB
	output	Stereo 1W x 2
Input Connector	input terminal	15Pin D-Sub
	user's control	Auto Configuration, Brightness, Contrast, H-Position, V-Position, Color RGB, Clock Adjustment, Volume, Phase Adjustment, Language,etc.
Dimension and Weight	body size(WxDxH)	367.4x148.2x360.7mm
	Tilt Function	-5~ 20, 90(In case of Wall Function Use)
	weight	3.5kg(Unit), 5.5kg(Packed)
Power	power managing system	VESA DPMS standard
	power consumption	<30 Watt
	input power	AC 100-240V, DC12V
Options	USB 4Port	

Product Specification

Factory-specified Mode

	Factory-specified Mode		Horizontal Frequency(kHz)	Vertical Frequency(Hz)
1	VGA	640 x 350	31.47	70
2	MAC	640 x 480	35.00	67
3	VESA	640 x 480	31.47	60
4	VESA	640 x 480	37.86	72
5	VESA	640 x 480	37.50	75
6	VGA	720 x 400	31.47	70
7	VESA	800 x 600	35.16	56
8	VESA	800 x 600	37.88	60
9	VESA	800 x 600	48.68	72
10	VESA	800 x 600	46.88	75
11	MAC	832 x 624	49.73	75
12	VESA	1024 x 768	48.36	60
13	VESA	1024 x 768	56.48	70
14	VESA	1024 x 768	60.02	75