

**ECONOMY SERIES LCD MONITOR**



**TFT-LCD MONITOR  
(SECURITY)**

## Warning Statements

\* Follow this safety instruction to use the monitor properly and prevent the damages.

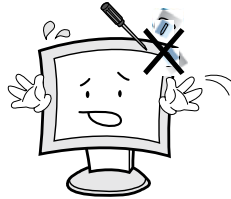
\* This safety instruction has "Warning" and "Caution" as below.

**WARNING:** If the user does not follow this instruction, it may cause the serious damage to the user.

**CAUTION:** If the user does not follow this instruction, it may cause the slight damage to the user or cause some damages to the monitor.

\* Keep this user's guide book for later use.

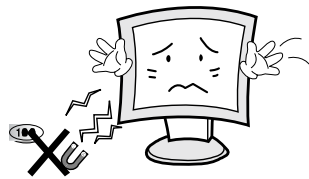
Never remove the back over and touch the inside of the monitor. If you need a service, please contact the service center.



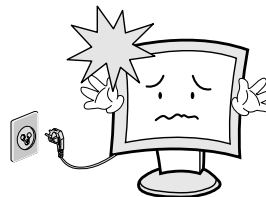
Keep away the monitor from the direct sunlight and a heating appliance.



Never push objects of any kind into this product as they may result in a risk of fire or electric shock.

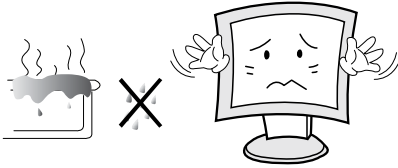


Connect the power code to the wall outlet tightly. If the power code or plug are defective and the wall outlet is not tight, please do not use them.

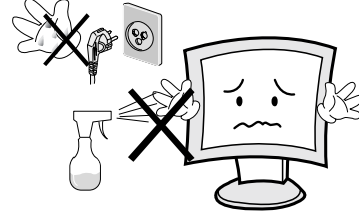


## Warning Statements

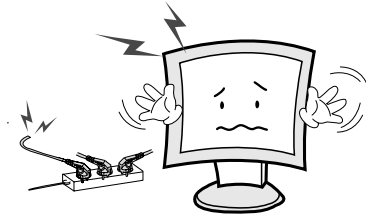
Do not install this monitor on the outside and near water. It may cause damage to the product, electric shock and fire.



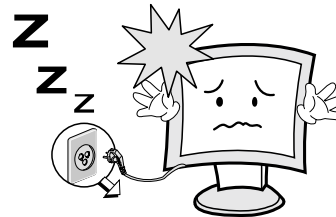
For cleaning do not use liquid cleaners. Never touch the power plug with wet hands.



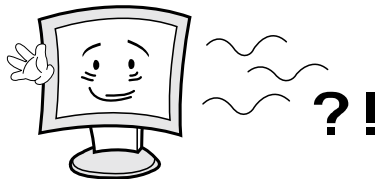
When lightning and thundering, unplug the monitor from the wall outlet and never touch it.



Unplug this product from the wall outlet, when it does not operate for a long time.



When smoking and noising from the monitor, unplug the product from the wall outlet and contact a service center.

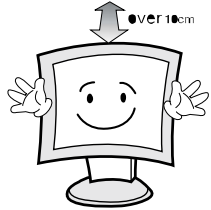


### How to fix

1. Do not open this product as it contains high voltage inside.
2. It may create an electric shock.
3. If the user disassembles and remove the back cover, it does not make sure
4. To make up for the damages and do a service and exchange the monitor..

## Cautions

Install this monitor some distance  
From the wall and do not install unless  
Proper ventilation is provided.



Place this product on a stable place.  
If not, it may fall, causing serious  
Damages to the monitor and people.



The openings must not be blocked by  
curtain, rug or other similar surface.



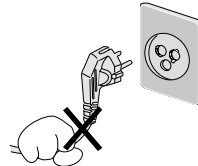
When carrying this monitor, be careful  
not to damage the panel and drop it  
It may cause some trouble.



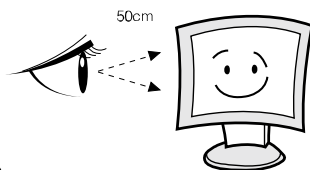
Before carrying the monitor, turn it off  
and Unplug the signal cables and the  
power code From the wall outlet.



Take the power plug out from the wall  
outlet. Do not pull the cable. It may  
snap the inner wires and cause  
overheating and fire.



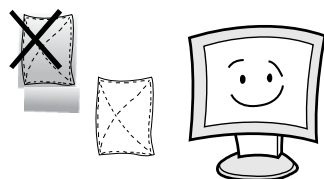
Install this monitor about 50cm far from  
the eyes and an angle of 0~15 degrees  
below eyes. Too close installation may  
cause having weak sight.



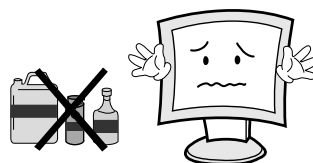
Do not press the LCD panel with hands  
or the sharpened material hardly.



For cleaning, unplug the monitor from  
the Wall outlet. Do not use the liquid  
cloth. Use the soft cloth.



Do not use the chemical liquid for  
cleaning. It may cause fading and  
breakage.

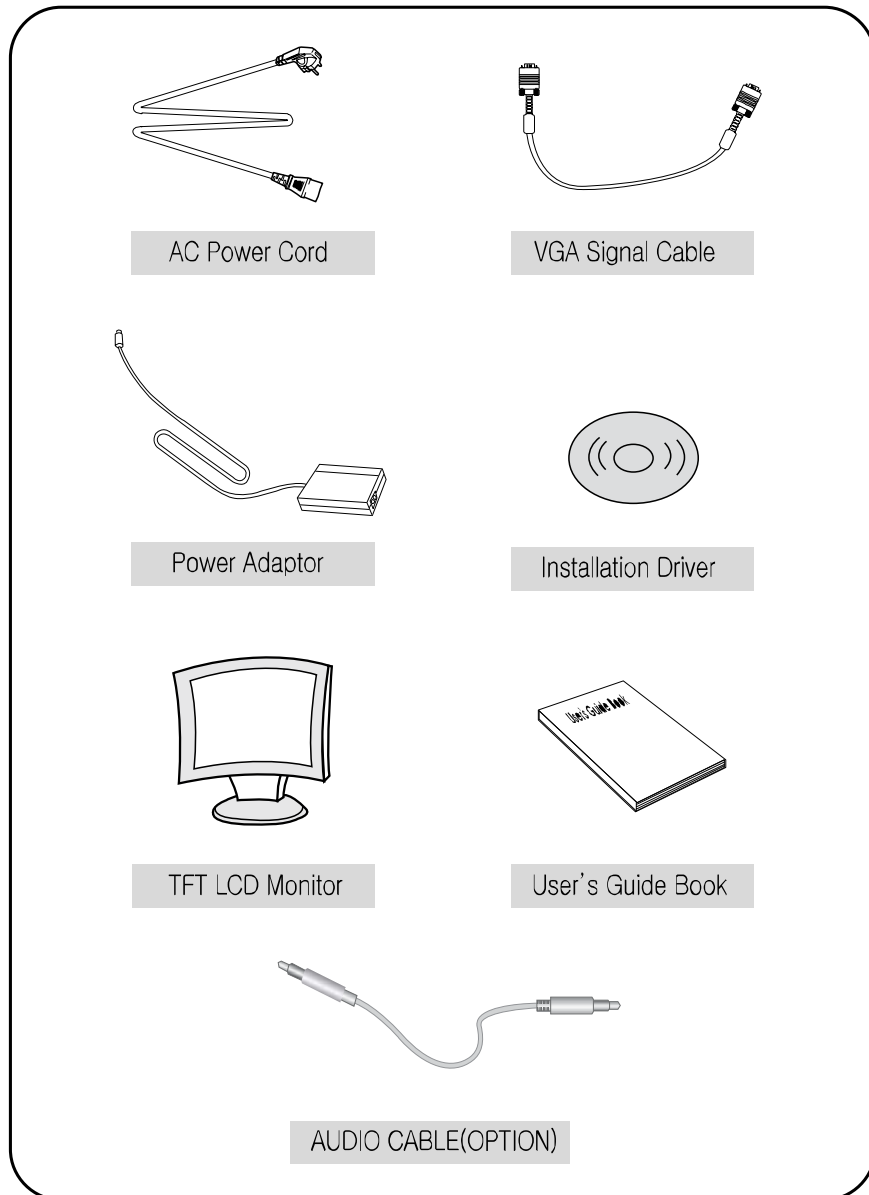


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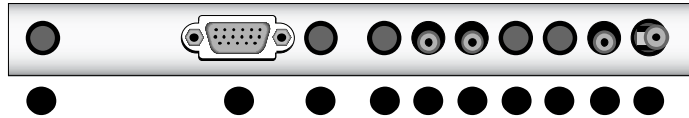
## INSTALLATION

### 1.1 Parts

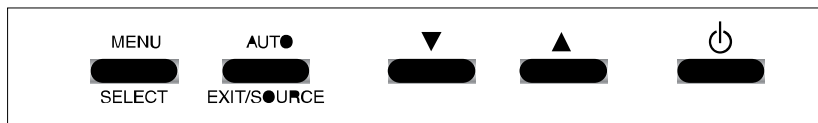


## INSTALLATION

### 1.2 How to Install



- |                                     |                   |                  |
|-------------------------------------|-------------------|------------------|
| 1. DC in                            | 5. AUDIO-L        | 9. CVBS-input    |
| 2. Signal cable from signal source. | 6. AUDIO-R        | 10. CVBS-out put |
| 3. Stereo in                        | 7. S-VIDEO input  |                  |
| 4. Stereo out                       | 8. S-VIDEO output |                  |



\* SOURCE(HOT KEY) : Monitor displays source of the signal in the order below:  
(PC → CVBS → S-VIDEO)

\* **Warning:** Tilting more than 10 degrees to the front or 30 degrees to the back may cause collapse of the product.

## FEATURES

### 2.1 Display Mode

RESOLUTION	H-Frequency(kHz)	V-Frequency(Hz)
640× 350	31.47	70.0
720× 400	31.47	70.0
640× 480	31.47	60.0
	35.00	66.7
	37.86	72.8
	37.50	75.0
800× 600	35.16	56.0
	37.88	60.3
	48.08	72.2
832× 624	46.87	75.0
	49.73	75.0
1024× 768	48.36	60.0
	56.48	70.1
	60.02	75.0
1280X1024	64.00	60.0
	80.00	75.0



## FEATURES

### 2.2 Specification (17INCH)

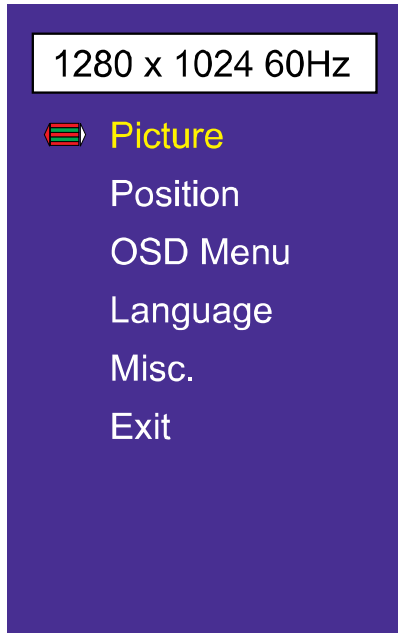
Spec		Details
Screen size		17"
Display size		337.92mm × 270.34mm
Screen coating		Anti-glare & Hard-coating
Pixel pitch		0.264 × 0.264mm
Brightness		250cd/m <sup>2</sup>
Contrast scaling		1,000:1
Viewing angle		70/70/75/65 (left/right/up/down)
Response time		8ms
input Signal		Analog RGB, AUDIO IN/OUT, S-VIDEO IN/OUT, CVBS IN/OUT
Speaker(Optional)		2W x 2W
H-Frequency		30~81kHz
V-Frequency		55~75Hz
Resolution		1280 × 1024 @ 75Hz
Power Consumption		35W (Normal mode) 5W (Power-saving mode)
Product size		438 × 149 × 450 (W × D × H)
Weight	Monitor	4.6kg
	Package	6.5kg

### 2.2 Specification (19INCH)

Spec		Details
Screen size		19"
Display size		376mm × 301mm
Screen coating		Anti-glare & Hard-coating
Pixel pitch		0.294 × 0.294mm
Brightness		250cd/m <sup>2</sup>
Contrast scaling		800:1
Viewing angle		70/70/75/65 (left/right/up/down)
Response time		Tf=2msec, Tf=6msec
input Signal		Analog RGB, AUDIO IN/OUT, S-VIDEO IN/OUT, CVBS IN/OUT
Speaker(Optional)		2W x 2W
H-Frequency		30~81kHz
V-Frequency		50~75Hz
Resolution		1280 × 1024 @ 75Hz
Power Consumption		45W (Normal mode) 5W (Power-saving mode)
Product size		495 × 155 × 508 (W × D × H)
Weight	Monitor	5.4kg
	Package	7.4kg

## OSD (On Screen Display) Setting

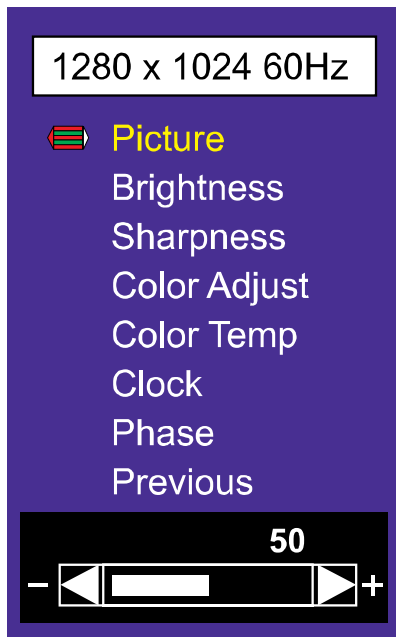
### 3.1 OSD MENU (PC MODE)



Menu Icon	Menu Items
Picture	Contrast, Brightness, Sharpness, Color Temp, Color Adjust, Clock, Phase
Position	H.Position, V.Position
OSD Menu	OSD H.Position, OSD V.Position, OSD Timer, Translucent
Language	English, French, German, Spanish, Italian
Misc.	Signal Source, Reset, Volume, Mute

## OSD (On Screen Display) Setting

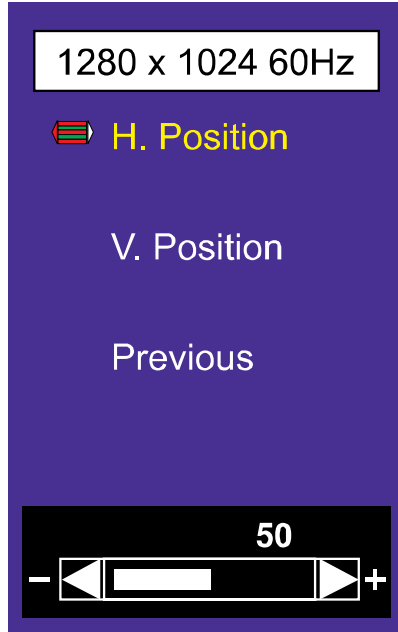
### Picture



- Contrast:** The Contrast feature adjusts the Black level. Choices range from 0 to 100. Default is 60.
- Brightness:** The Brightness feature adjusts the brightness of the backlight. Choices range from 0 to 100. Default is 50.
- Sharpness:** The Sharpness feature adjusts the clearness of the image. Choices range from 0 to 4. Default is 2.
- Color Adjust:** The Color Adjust feature adjusts the Red, Green, and Blue when Color Temp. Item is set to 'User'. Choices are 0 to 255. Default is 128.
- Color Temp:** The Color Temp. feature sets the baseline color reference for the monitor. Choices are 9300K (cooler), 6500K(warmer) and USER. Default is USER.
- Clock:** The Clock feature adjusts the horizontal image size.
- Phase:** Use the Clock Phase feature when noise remains on the screen after operating the Auto adjustment of OSD menu item.

## OSD (On Screen Display) Setting

### Position



#### H. Position

The H. Position feature adjusts the image position horizontally.

#### V. Position

The V. Position feature adjusts the image position vertically.

### OSD Menu



#### OSD H. Position

The OSD H. Position feature adjusts the horizontal position of the OSD window. Choices are 0 to 200. Default is 100.

#### OSD V. Position

The OSD V. Position feature adjusts the vertical position of the OSD window. Choices are 0 to 200. Default is 100.

#### Translucent

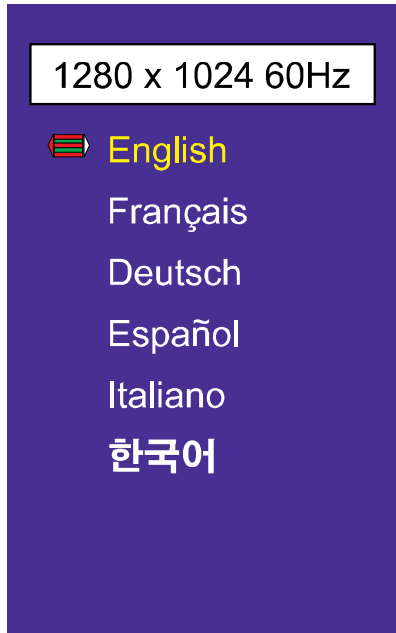
The Translucent feature adjust the transparency of the OSD window. Choices are 0 to 7. Default is 2.

#### OSD Timer

The OSD Timer feature sets how long the OSD menu stays on the screen. Choices are 5 to 60. Default is 10.

## OSD (On Screen Display) Setting

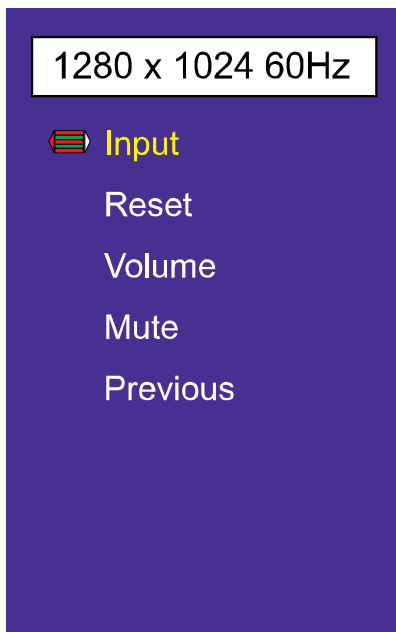
### Language



#### Language

The Language feature sets which language will be used to display the OSD menu and your entries. Choices are English, French, Dutch, Spanish, Italian and 한국어. Default is English.

### Miscellaneous



#### Input

The Signal Source feature selects the input signal source. Choices are ANALOG, VIDEO and S-VIDEO.

#### Reset

The Reset feature initializes memory stored in the user mode.

#### Volume (option)

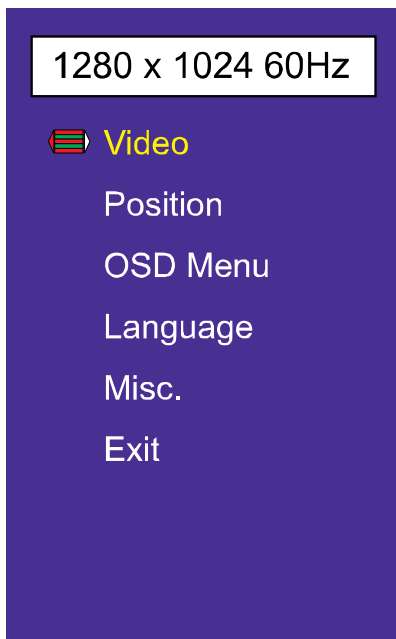
The Volume feature adjusts the speaker volume. Choices are 0 to 100. Default is 50.

#### Mute (option)

The Sound feature turns the speakers on or off. Choices are ON and OFF. Default is OFF.

## OSD (On Screen Display) Setting

### 3.2 OSD MENU (VIDEO / CVBS MODE)

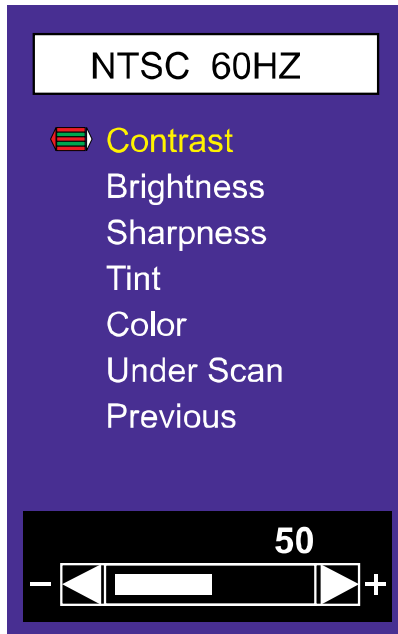


Menu Icon	Menu Items
Picture	Contrast, Brightness, Sharpness, Tint, Color, Under scan
OSD Menu	OSD H.Position, OSD V.Position, OSD Timer, Translucent
Language	English, French, German, Spanish, Italian
Misc.	Signal Source, Reset, Volume, Mute

**+ OSD menu, Misc. and Sound menu items are same as in the VGA Mode.**

## OSD (On Screen Display) Setting

### Video



- Contrast:** The Contrast feature adjusts the Black level. Choices range from 0 to 100. Default is 60.
- Brightness:** The Brightness feature adjusts the brightness of the backlight. Choices range from 0 to 100. Default is 50.
- Sharpness:** The Sharpness feature adjusts the clearness of the image. Choices range from 0 to 4. Default is 2.
- Tint:** The Hue feature changes the RGB (red, green, blue) colors that you see. You can change blue objects to appear as green, or purple objects. Choices range from 0 to 100. Default is 50.
- Color:** The Saturation feature adjusts the saturation, which is color intensity. Choices range from 0 to 100. Default is 50.
- Under Scan:** The Screen feature turns the size on or off. Choices are ON and OFF. Default is OFF.

\* OSD menu, Misc. and Sound menu items are same as in the VGA Mode.

## 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by 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 on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

### **WARNING:**

The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment."



## TROUBLESHOOTING

\* When the following troubles are occurred, follow the trouble shooting. Before contacting a service center.

Troubleshooting	Troubleshooting Tip
The screen doesn't show up	1. Make sure if the power supply is connected property
	2. Turn on the power.
	3. Select the input signal right for the connected port.
The screen is too light or to dark	Control the BRIGHTNESS
The screen size is not fit for the PC signal	Press the AUTO key among keys in the front. (It is used only in the PC signal)
The screen color shows strange in the PC signal	In the FUNCTION menu of OSD menu, perform the AUTO-ADJUST.

## 2Year Limited Warranty

All **Orion Images** products carry a limited warranty from ship date against defects in materials and workmanship. Orion Images is not liable for improper installation that results in damage to mounts, adapters, display equipment or personal injury.

### Contact Orion Images

In the event of missing and/or damage equipment, or technical questions, the following information can help in the completion of the installation.

**Address: 7300 Bolsa Avenue, Westminster, CA 92683**

**Tel: 714-766-6300 / Fax: 714-766-6310**

**Email: [sales@orionimages.com](mailto:sales@orionimages.com)**

**Website: <http://www.orionimages.com>**