

# **USER'S GUIDE**

**TFT-LCD MONITOR  
(SECURITY)**

OR1730S / OR1930S

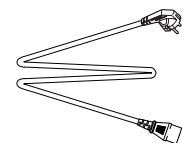
**LCD MONITOR**  
**User's Guide Book**

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## 1. INSTALLATION

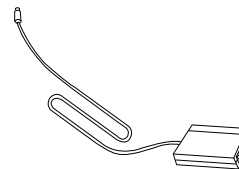
### 1-1 Parts



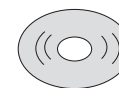
AC Power Cord



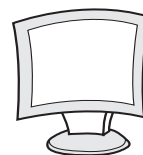
VGA Signal Cable



Power Adaptor



Installation Driver



TFT LCD Monitor

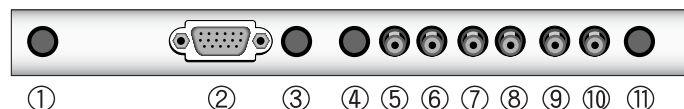


User's Guide Book

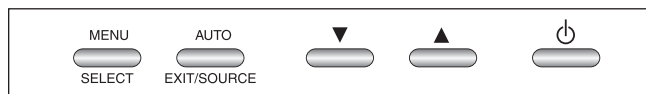


AUDIO CABLE(OPTION)

## 1-2 How to install



- |                                     |                   |               |
|-------------------------------------|-------------------|---------------|
| 1. DC in                            | 5. CVBS 1- input  | 9. AUDIO-L    |
| 2. Signal cable from signal source. | 6. CVBS 1- output | 10. AUDIO-R   |
| 3. S-VIDEO input                    | 7. CVBS 2- input  | 11. Stereo in |
| 4. S-VIDEO output                   | 8. CVBS 2- output |               |



**\* SOURCE(HOT KEY) :** Monitor displays source of the signal in the order below:  
(PC ➔ VIDEO 1 ➔ VIDEO 2 ➔ S-VIDEO )

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

## 2. 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
	46.87	75.0
832×624	49.73	75.0
1024×768	48.36	60.0
	56.48	70.1
	60.02	75.0
1280×1024	64.00	60.0
	80.00	75.0

### 2-2 Specifications(17INCH)

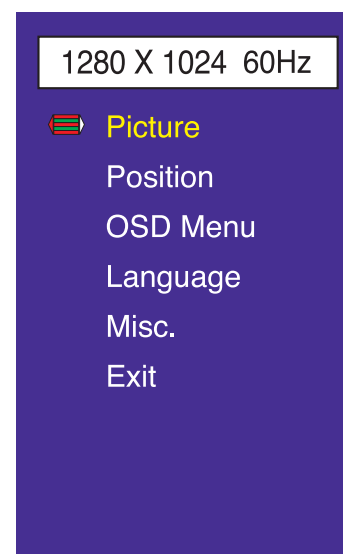
Spec		Details
Screen size		17"
Display size		337.92mm×270.34mm
Screen coating		Anti-glare & Hard-coating
Pixel pitch		0.264×0.264mm
Brightness		300cd/㎡
Contrast scaling		1,000:1
Viewing angle		160 / 160
Response time		5ms
input Signal		Analog RGB, S-VIDEO in/out, CVBS1 in/out, CVBS2 in/out, AUDIO L/R, Stereo in
Speaker(Optional)		2W x 2W
H-Frequency		30~81kHz
V-Frequency		55~75Hz
Resolution		1280×1024 @ 75Hz
Power		35W (Normal mode)
Consumption		5W (Power-saving mode)
Product size		438×149×450 (W×D×H)
Weight	Monitor	4.6kg
	Package	6.5kg

## 2-3 Specifications(19INCH)

Spec	Details	
Screen size	19"	
Display size	376mm×301mm	
Screen coating	Anti-glare & Hard-coating	
Pixel pitch	0.294×0.294mm	
Brightness	300cd/m²	
Contrast scaling	1,000:1	
Viewing angle	160 / 160	
Response time	5ms	
input Signal	Analog RGB, S-VIDEO in/out, CVBS1 in/out, CVBS2 in/out, AUDIO L/R, Stereo in	
Speaker(Optional)	2W x 2W	
H-Frequency	30~81kHz	
V-Frequency	50~75Hz	
Resolution	1280×1024 @ 75Hz	
Power	45W (Normal mode)	
Consumption	5W (Power-saving mode)	
Product size	495×155×508 (W×D×H)	
Weight	Monitor	5.4kg
	Package	7.4kg

## 3. OSD(On Screen Display) Setting

### 3-1 OSD MENU(PC MODE)



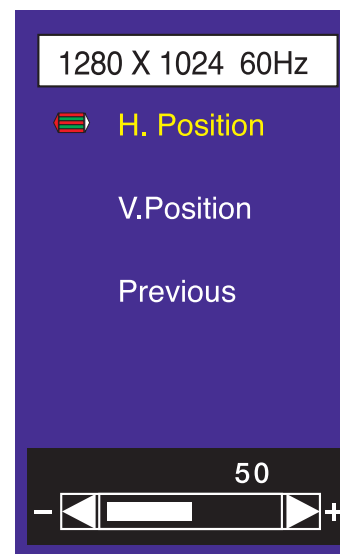
Menu Icon	Menu Items
Picture	Contrast, Brightness, Sharpness, Color Temp, Color Adjust, Clock, Phase
Position	H.Position, V.Position
OSD Menu	OSD H.Position, OSD V.Position, OSD Timer, Translucent
Language	English, French, German, Spanish, Italian
Misc.	Signal Source, Reset, Volume, Mute

## Picture



- Contrast** The Contrast feature adjusts the Black level. Choices range from 0 to 100. Default is 50.
- 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.

## 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.Pos.

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

### OSD V.Pos.

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

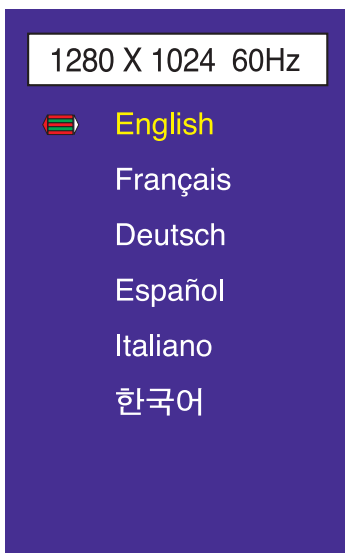
### Translucent

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.

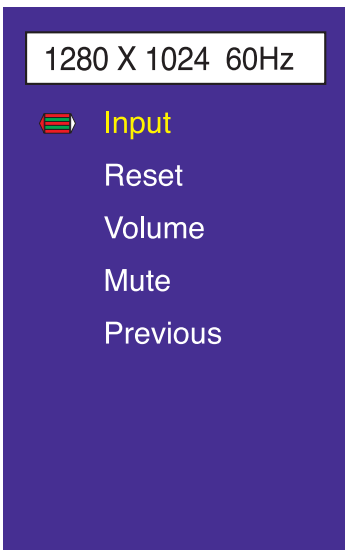
## Language



### Language

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

## Miscellaneous



### Input

The Signal Source feature selects the input signal source. Choices are ANALOG, CVBS1, CVBS2.

### Reset

The Reset feature initializes memory stored in the user mode.

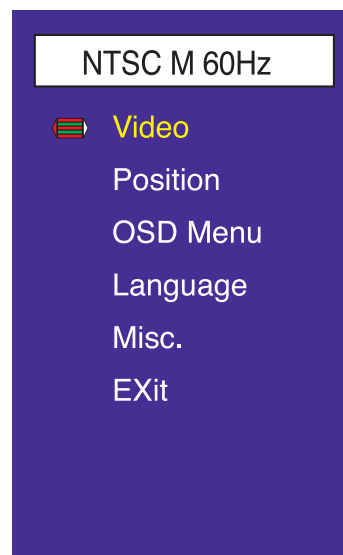
### Volume (option)

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.

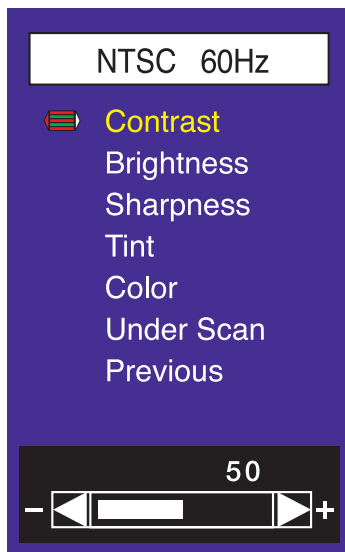
## 3-2 OSD MENU(VIDEO/CVBS MODE)



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.

## 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.

## 4. SAFETY INSTRUCTION

※ 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.



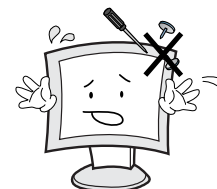
Caution - If the user does not follow this instruction, it may cause the slight damage to the user or cause some damages to the monitor.

※ Keep this user's guide book for later use.

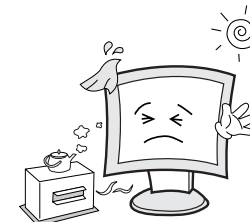


### Warning

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



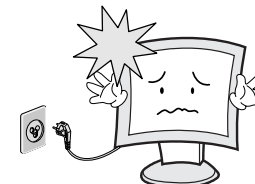
Keep away the monitor from the direct sunlight and a heating appliance.



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



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



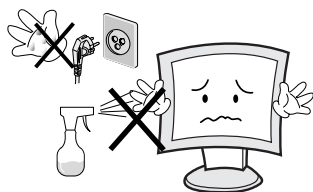


## Warning

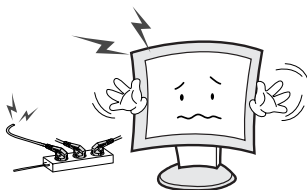
Do not install this monitor on the outside and near water. If may cause damage to the product, electric shock and fire.



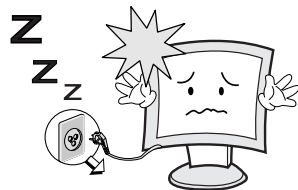
For cleaning do not use liquid cleaners. Never touch the power plug with wet-hands.



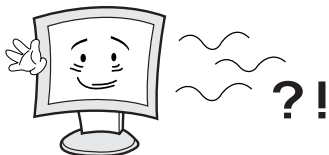
When lightning and thundering, unplug the monitor from the wall outlet and never touch it.



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.



## WARNING : How to fix

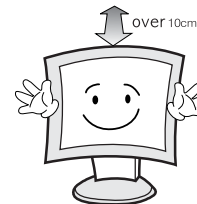
Do not open this product as it contains high voltage inside.

It may create an electric shock.

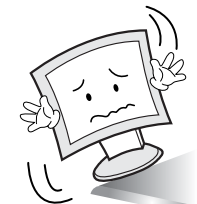
If the user disassembles and remove the back cover, it does not make sure to make up for the damages and do a service and exchange the monitor.

## Cautions

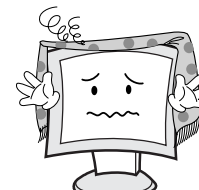
Install this monitor some distance From the wall and do not install unless Proper ventilation is provided.



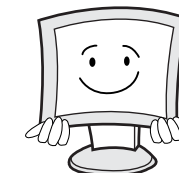
Place this product on a stable place. If not, it may fall, causing serious Damages to the monitor and people.



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



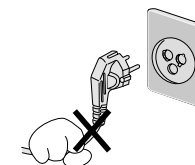
When carrying this monitor, be careful not to damage the panel and drop it. It may cause some trouble.



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

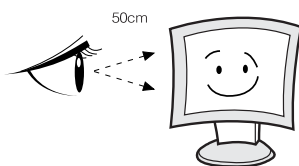


Take the power plug out from the wall outlet. Do not pull the cable. It may snap the inner-wires and cause overheating and fire.



## ! Cautions

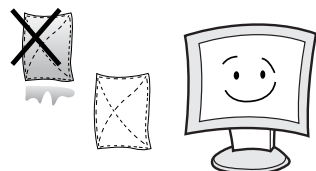
Install this monitor about 50cm far from the eyes and an angle of 0-15 degrees below eyes. Too close installation may cause having weak sight.



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.



## 5. INFORMATION TO THE USER

### 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."

MEMO

MEMO