PREMIUM SERIES LCD MONITOR

17” & 19” TFT-LCD MONITOR (SECURITY)

http://www.orionimages.com

All contents of this document may change without prior notice, and actual product appearance may differ from that depicted herein.
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 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 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 and User’s Guide

INSTALLATION

1.1 Parts

Remove the package cover and place the product on a flat and secure surface or in the installation location. Check whether all the following device and accessories are included with the main system.

- TFT-LCD MONITOR
- USER MANUAL
- AC ADAPTOR
- TRIGGER CABLE
- VGA CABLE
- REMOCON
- BATTERY
- POWER CORD
1.2 Connection

1. HDMI IN
2. DVI IN
3. RGB IN
4. DC 24V IN
5. PC STEREO INPUT
6. COMPONENT IN
   YPbPr signal input.
7. STEREO AUDIO 1 IN
   Component stereo audio signal input.
8. AUDIO2 IN
   Stereo audio signal input. This input for VIDEO2.
9. AUDIO1 IN
   Stereo audio signal input. This input for VIDEO1 and S-VIDEO.
10. S-VIDEO (Y/C) OUT
    Y/C separated signal looping output.
11. S-VIDEO (Y/C) IN
    Y/C separated signal input.
12. VIDEO2 OUT
    Video looping output for VIDEO2.
13. VIDEO2 IN
    Composite signal input for VIDEO2.
14. VIDEO1 OUT
    Video looping output for VIDEO1.
15. VIDEO1 IN
    Composite signal input for VIDEO1.
16. TRIGGER INPUT
    NO / NC signal input.
1.3 Remote Controller

A. SOURCE SELECT
Press the button to select the desired input source.

B. PVM INPUT (Not Available on this Model)
- **POWER**
  - Turn the monitor ON or OFF
- **MUTE**
  - Temporarily silences the sound
- **COLOR TEMP**
  - Adjust the color temperature of the screen.
- **SCAN MODE**
  - Change the scan mode of the screen. (FULL / UNDER / OVER)
- **MENU/EXIT**
  - Activates and exits the OSD menu
- **KEY LOCK**
  - Prevent unauthorized operation of the equipment by locking the buttons
- **STILL**
  - PIP: Activates/deactivates PIP/PBP mode

C. PIP MENU
- **PIP**
  - Activates/deactivates PIP/PBP mode.
- **P. INPUT**: Selects an input source for the sub picture
- **P. LOC**: Selects a location for the sub picture
- **P. SIZE**: Selects the size of the sub picture.
- **P. SWAP**: Swaps the main and sub picture.
- **P. SET**: Alternates between main and sub audio input
# FEATURES

## 2.1 Specifications (17 & 19 Inch)

<table>
<thead>
<tr>
<th></th>
<th>17&quot;</th>
<th>19&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Screen Size</strong></td>
<td>17&quot;</td>
<td>19&quot;</td>
</tr>
<tr>
<td><strong>Viewing Area</strong></td>
<td>338.0 x 278.0mm</td>
<td>376.0 x 301.0mm</td>
</tr>
<tr>
<td><strong>Pixel Type</strong></td>
<td>Active Matrix TFT</td>
<td></td>
</tr>
<tr>
<td><strong>Max. Resolution</strong></td>
<td>1280 x 1024 @ 60Hz (SXGA)</td>
<td></td>
</tr>
<tr>
<td><strong>Pixel Pitch</strong></td>
<td>0.264 x 0.264mm</td>
<td>0.294 x 0.294mm</td>
</tr>
<tr>
<td><strong>Brightness</strong></td>
<td>300 cd/㎡</td>
<td></td>
</tr>
<tr>
<td><strong>Contrast Ratio</strong></td>
<td>1000 : 1</td>
<td></td>
</tr>
<tr>
<td><strong>Aspect Ratio</strong></td>
<td>5:4</td>
<td></td>
</tr>
<tr>
<td>** Viewing Angle (H/V) **</td>
<td>160 / 160</td>
<td></td>
</tr>
<tr>
<td><strong>Display Color</strong></td>
<td>16.7 Million</td>
<td></td>
</tr>
<tr>
<td><strong>Response Time</strong></td>
<td>&lt; 5ms</td>
<td></td>
</tr>
<tr>
<td><strong>Video System</strong></td>
<td>NTSC / PAL / SECAM</td>
<td></td>
</tr>
<tr>
<td><strong>Frequency (H)</strong></td>
<td>31 ~ 48KHz</td>
<td></td>
</tr>
<tr>
<td><strong>Frequency (V)</strong></td>
<td>55 ~ 75Hz</td>
<td></td>
</tr>
<tr>
<td><strong>Panel Lamp Life</strong></td>
<td>50,000 hours</td>
<td></td>
</tr>
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</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>MECHANICAL</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Packing Dimension</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>W x H x D</strong></td>
<td>20.0&quot; x 16.1&quot; x 6.5&quot;</td>
<td>20.0&quot; x 16.1&quot; x 6.5&quot;</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>17.6lbs</td>
<td>19.4lbs</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>42W</td>
<td>42W</td>
</tr>
<tr>
<td><strong>Power Source</strong></td>
<td>DC12V adapter (Auto Switching) / 3.5A</td>
<td></td>
</tr>
</tbody>
</table>

*NOTE: Technical specifications are subject to change without notice.*
OSD (On Screen Display) SETTING

3.1 OSD MENU Description

A. Input Select

*Inputs can be set to VIDEO1, VIDEO2, S-VIDEO, RGB PC, DVI, HDM, COMPONENT mode.*

1. Press the ►/SELECT key then you can change the input source...

B. Menu Selection

1. Press the MENU key to access the Main menu.
2. Use the ▲ and ▼ arrow key to highlight a selection.
3. Press the ►/SELECT key to select an item.
4. Use the ▲ and ▼ arrow key to highlight a selection.
5. Use the ◄ and ► arrow key to adjust the setting on a selected item.

*NOTE: If you don't connect RGB port, RGB SETUP menu is not select.*
OSD (On Screen Display) SETTING

C. Screen Menu

1. **SCAN MODE**
   Select the screen size of main. (FULL / UNDER / OVER)

2. **PIP**
   Select PIP mode. (OFF / ON / DW1 / DW2)

3. **PIP INPUT**
   Select sub input of PIP mode. (VIDEO1 / VIDEO2 / S-VIDEO)

4. **PIP SWAP**
   Select swap to interchange main with PIP

5. **PIP SIZE**
   Select the PIP size. (SMALL / NORMAL / LARGE)

6. **PIP R/T**
   Select the PIP position.
   R/B : Right Bottom
   L/B : Left Bottom
   R/T : Right Top
   L/T : Left Top
OSD (On Screen Display) SETTING

D. Setup Menu

1. **INPUT**
   Select input source. (VIDEO1 / VIDEO2 / S-VIDEO / RGB PC / DVI / HDMI / COMPONENT).

2. **LANGUAGE**
   Select English, Italian, French, Spanish or German for the OSD display.

3. **SOUND MUTE**
   Select OFF or ON. ‘ON’ silences the sound, ‘OFF’ return the sound.

4. **BUTTON LOCK**
   Prevents unauthorized operation of the equipment by locking the buttons. Button lock feature by pressing the ◀ and ▲ buttons for 5 seconds.

5. **NOISE REDUCTION**
   Reduces the background noise of the video signal.

6. **OSD TIME**
   Select the OSD display time from 5 seconds to 30 seconds.

7. **DEFAULT**
   Select restore to return to the factory setting.
OSD (On Screen Display) SETTING

E. Trigger Setup Menu

1. TRIGGER MODE
   Sets the video input which will be displayed when trigger signal. (OFF / FULL / DW1 / DW2)

2. TRIGGER INPUT
   Select the input source of trigger mode. (VIDEO1 / VIDEO2 / S-VIDEO).

3. TRIGGER DWELL
   Sets the time how long displayed on the screen of trigger mode from 10 seconds to 60 seconds.
OSD (On Screen Display) SETTING

F. Menu Tree

- MAIN MENU
  - PICTURE
    - CONTRAST
    - BRIGHTNESS
    - COLOR
    - TINT
    - SHARPNESS
    - COLOR TEMP: COOL / MEDIUM / WARM / USER (RED / GREEN / BLUE)
  - SCREEN
    - SCAN MODE: FULL / UNDER / OVER
    - PIP: OFF / ON / DW1 (WIDE PBP) / DW2 (FULL PBP)
    - PIP INPUT
    - PIP SWAP
    - PIP SIZE: SMALL / NORMAL / LARGE
    - PIP R/T (ROTATION): R/B (RIGHT BOTTOM)
    - L/B (LEFT BOTTOM)
    - L/T (LEFT TOP)
    - R/T (RIGHT TOP)
  - SETUP
    - INPUT: VIDEO1 / VIDEO2 / S-VIDEO / RGB PC / DVI / HDMI / COMPONENT
    - LANGUAGE: ENGLISH / ITALIAN / FRENCH / SPANISH / GERMAN
    - SOUND MUTE
    - BUTTON LOCK
    - NOISE REDUCTION
    - OSD TIME: 5 ~ 30 SECOND
    - DEFAULT
  - RGB SETUP
    - H-POSITION
    - V-POSITION
    - CLOCK
    - PHASE
    - AUTO CONFIG
  - CYCLE SETUP
    - CYCLE TIME: 10 ~ 30 SECOND
    - CYCLE
    - VIDEO1
    - VIDEO2
    - S-VIDEO
    - RGB PC
    - DVI
    - HDMI
    - COMPONENT
  - TRIGGER SETUP
    - TRIGGER MODE: OFF / FULL / DW1 / DW2
    - TRIGGER INPUT: VIDEO1 / VIDEO2 / S-VIDEO
    - TRIGGER DWELL: 10 ~ 60 SECOND
CONTROLL BUTTON

Menu/EXIT: Activates and exits the OSD.

SOURCE/▼: Select input source, and select the OSD menu.

AUTO/▲: Move the OSD menu and auto adjustment of RGB source.

▶/SELECT: Increase the level of volume and select the OSD menu.

◀ (VOL): Decrease the level of volume and move the previous menu.

Turns the power ON or OFF. There will be a few seconds delay before the display appears.

The power LED(next to the power switch) lights with green when the power is turned ON.

The power is turned off by pressing the power switch again and the power LED goes Red.

LED LENS:

IR RECEIVE LENS:
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.

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

All Orion Images products carry a limited lifetime 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.

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Tel: 714-766-6300 / Fax: 714-766-6310
Email: sales@orionimages.com
Website: http://www.orionimages.com