**WARNING:**

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

**CAUTION:**

![CAUTION Symbol]

**Explanation of Graphical Symbols**

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**Precautions**

**Safety-----------------------------**

Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.

Unplug the unit from the wall outlet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Allow adequate air circulation to prevent internal heat built-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

**Installation-----------------------**

Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust or mechanical vibration.

The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

**Cleaning--------------------------**

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

Retain the original carton and packing materials for safe transport of this unit in the future.
Safety Precautions

Federal Communications Commission (FCC) Statement

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 or 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.

You are cautioned that changes or modifications not expressly approved by that party responsible for compliance could void your authority to operate the equipment.

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.
(2) This device must accept any interference received including interference that may cause undesired
# Table Of Contents

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Features

- Support AHD/TVI Input (Switchable), and Output.
- Multi-Function Display
- VGA/ DVI-D and Full HD Input
- True 10 bits Color processing engine
- Independent color management(ICM)
- Dynamic contrast control(DCC)
- Supported 1080p Full HD.
- Build-in 2W+2W speaker, 42” 7W+7W speaker.
- VESA standard bracket 75/100mm. 100/200mm for 32”. 300mm for 42”.
- Wall mountable capability.

Operating Instructions

Frame type:

21.5” Plastic

Key Board

1. Power
   Push to turn on and turn off the unit.
   LED Green light: Power on
   LED Red light: Standby mode.

2. Adjust UP /DOWN
   UP: Used as UP function. Or Increase value on the OSD Menu.
   And as a hot key for color adjust function.
   DOWN: Used as DOWN function. Or Decrease value on the OSD Menu.
   And as a hot key for auto adjust function.

3. Item:
   Hot key for OSD adjustments of Volume, Contrast, Brightness,
   and Red, Green, Blue.

4. Menu
   Push to call out OSD menu. Or Used as Confirm function in OSD Menu.

5. Source
   Select input signal from D-SUB, HD,DVI, and AHD/TVI.

KEY Lock Function:
Push “Menu” and “Item”, OSD of screen will show “Key Lock on”, Into key lock mode.
And push again, OSD of screen will show “Key Lock off “, Into key unlock mode.
IR remote control

(1). **Power**
   Push to turn on and turn off the unit.
   LED Green light: Power on
   LED Red light: Standby mode.

(2. 3). **Adjust UP /DOWN**
   UP: Used as UP function. Or Increase value on the OSD Menu.
   And as a hot key for color adjust function.
   DOWN: Used as DOWN function. Or Decrease value on the OSD Menu.
   And as a hot key for auto adjust function.

(4). **Item:**
   Hot key for OSD adjustments of Volume, Contrast, Brightness,
   and Red, Green, Blue.

(5). **Menu**
   Push to call out OSD menu. Or Used as Confirm function in OSD Menu.

(6). **Source**
   Select input signal from D-SUB, HD, DVI, and AHD/TVI.
<table>
<thead>
<tr>
<th></th>
<th>AHD / TVI</th>
<th>AHD-TV</th>
<th>DC 12V</th>
<th>DVI</th>
<th>FULL HD</th>
<th>VGA</th>
<th>AUDIO IN</th>
<th>EARPHONE OUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Switchable</td>
<td>IN</td>
<td>IN</td>
<td>IN</td>
<td>IN</td>
<td>IN</td>
<td>L</td>
<td>R</td>
</tr>
<tr>
<td>2</td>
<td>AHD / TVI- IN</td>
<td>OUT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>AHD / TVI- OUT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Regulated DC12V Power Input</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>DVI-D IN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Full HD IN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>D-SUB IN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>AUDIO R/L IN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Earphone OUT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1: AHD/TVI Switchable
2: AHD/TVI-IN
3: AHD/TVI-OUT
4: Regulated DC12V Power Input
5: DVI-D IN
6: Full HD IN
7: D-SUB IN
8: AUDIO R/L IN
9: Earphone OUT
OSD Function

**Color:**
- **Contrast**
  Adjust background black level of the screen image.
- **Brightness**
  Adjust foreground white level of the screen image.
- **Color Adjust**
  Adjust Red, Green, Blue, color deepness for Users.
- **Color Temp**
  Adjust color temperatures for users. 9300, 6500, 5800, sRGB, USER

**Back**
Exit OSD menu.

**Image Setting:**
- **Clock**
  Adjust image distortion appearing as vertical or “noise” on the screen.
- **Phase**
  Adjust image distortion appearing as horizontal or “noise” on the screen.
- **Sharpness**
  Adjust the clarity and focus of the screen images.
- **H. Position**
  Move the screen image left or right.
- **V. Position**
  Move the screen image up and down.

**Back**
Exit OSD menu.

**OSD Menu:**
- **OSD H. Pos**
  Move the OSD menu position left or right.
- **OSD V. Pos**
  Move the OSD menu position up or down.
- **OSD Timer**
  Set the OSD menu display time.
- **Language**
  Select the desired language as English, French, German, Spanish, Traditional Chinese Simplified Chinese, and Japanese.

**Back**
Exit OSD menu.
**Signal source**
Select the input signal D-sub, HD, DVI, and AHD-TVI.
Back
Exit OSD menu.

**Audio**
Volume
Control built-in speakers' output Volumes
Mute
Disable the unit's sound output
Back
Exit OSD menu.

**Misc:**
Auto Adjust
Adjust the best image.
Color Adjust
Adjust the best image color.
Reset
Return to factory default setting.
Screen saver
Use the manual buttons to on/off the screen saver

**Exit:**
Exit the OSD menu.

### PC Timing

<table>
<thead>
<tr>
<th>Mode</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>800*600@60</td>
</tr>
<tr>
<td>2</td>
<td>800*600@72</td>
</tr>
<tr>
<td>3</td>
<td>800*600@75</td>
</tr>
<tr>
<td>4</td>
<td>1024*768@60</td>
</tr>
<tr>
<td>5</td>
<td>1024*768@70</td>
</tr>
<tr>
<td>6</td>
<td>1024*768@75</td>
</tr>
<tr>
<td>7</td>
<td>1280*1024@60</td>
</tr>
<tr>
<td>8</td>
<td>1280*1024@75</td>
</tr>
<tr>
<td>9</td>
<td>1360*768@60</td>
</tr>
<tr>
<td>10</td>
<td>1920*1080@60</td>
</tr>
</tbody>
</table>
**LCD monitor Mounting Guide**

**A. Desktop**
 Adjust the viewing angle of LCD to fit most comfortable monitoring status.

**B. Wall mount**
 Free your space with wall mount design.
 Please follow the fix-hole size in back panel to install the LCD to the wall.

**C. VESA Bracket**

![Diagram of VESA Bracket for LCD 215-TV1]
## Specification

<table>
<thead>
<tr>
<th>Monitor model</th>
<th>LCDI-215TVI</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCD panel</td>
<td>21.5”</td>
</tr>
<tr>
<td>Visible area (mm)</td>
<td>476.6 x 268.1</td>
</tr>
<tr>
<td>Picture format</td>
<td>16 : 9</td>
</tr>
<tr>
<td>Max. resolution</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td>Pixel dot pitch (mm)</td>
<td>0.248x0.248</td>
</tr>
<tr>
<td>Colours</td>
<td>16.7M</td>
</tr>
<tr>
<td>Brightness</td>
<td>250 cd/m² [LED]</td>
</tr>
<tr>
<td>Contrast</td>
<td>3000 :1</td>
</tr>
<tr>
<td>Response time(Tr/Tf)</td>
<td>20/5 ms</td>
</tr>
<tr>
<td>View angle (U/D/L/R)</td>
<td>89/89/89/89</td>
</tr>
<tr>
<td>Full HD input</td>
<td>1x Full HD (A Type)</td>
</tr>
<tr>
<td>Audio input (R/L)</td>
<td>1x (RCAx2)</td>
</tr>
<tr>
<td>PC input</td>
<td>1x VGA input (D-Sub 15 pin)</td>
</tr>
<tr>
<td></td>
<td>1x DVI-D input</td>
</tr>
<tr>
<td>Earphone out</td>
<td>1xPhone jack ,3.5ψ</td>
</tr>
<tr>
<td>AHD/TVI Video input</td>
<td>1x (BNC) switchable</td>
</tr>
<tr>
<td>AHD/TVI Video output</td>
<td>1x (BNC)</td>
</tr>
<tr>
<td>Speaker</td>
<td>2x built-in speaker (2 watt)</td>
</tr>
<tr>
<td>OSD setting</td>
<td>Yes</td>
</tr>
<tr>
<td>Power input</td>
<td>AC 100-240V 50/60Hz, Adapter DC 12V/5A</td>
</tr>
<tr>
<td>Power consumption</td>
<td>Approx. 21 watt</td>
</tr>
<tr>
<td>Dimensions (WxHxD) mm</td>
<td>532.3 x 323.3x 65</td>
</tr>
<tr>
<td>Weight</td>
<td>5.7 kg</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0° to 40° C</td>
</tr>
</tbody>
</table>

Subject to technical changes without prior notice. Error excepted.
Appendixes
Troubleshooting

The tables provided below include some problems that the user may encounter while using the display and the corresponding solutions. Please refer to the contents of this section prior to contacting service personnel.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>No picture</td>
<td>1. Is the power cable connected to the unit?</td>
<td>1. Make sure the power cable has been properly connected to the unit.</td>
</tr>
<tr>
<td></td>
<td>2. Is the unit turned on?</td>
<td>2. Turn on the unit.</td>
</tr>
<tr>
<td></td>
<td>3. Is the signal cable connected to the unit?</td>
<td>3. Make sure the signal cable has been properly connected to the unit.</td>
</tr>
<tr>
<td></td>
<td>4. Is the unit in power saving mode?</td>
<td>4. Press any key on computer keyboard.</td>
</tr>
<tr>
<td>Strange color</td>
<td>1. Is the signal cable connected to the unit?</td>
<td>1. Make sure the signal cable has been properly connected to the unit.</td>
</tr>
<tr>
<td>Picture distortion</td>
<td>1. Is the signal cable connected to the unit?</td>
<td>1. Make sure the signal cable has been properly connected to the unit.</td>
</tr>
<tr>
<td></td>
<td>2. Is the video input signal within the unit's specified frequency range?</td>
<td>2. Make sure the input signal is within the unit's specified frequency range.</td>
</tr>
<tr>
<td>Picture is too dim</td>
<td>1. Have the unit’s brightness and contrast settings been set to the lowest level?</td>
<td>1. Adjust brightness and contrast</td>
</tr>
<tr>
<td>Only sound but no picture</td>
<td>1. Is the connection of the input signal correct?</td>
<td>1. Check connection of input signal.</td>
</tr>
<tr>
<td>Only picture but no sound</td>
<td>1. Is the signal cable connected to the unit?</td>
<td>1. Make sure the signal cable has been properly connected to the unit.</td>
</tr>
<tr>
<td></td>
<td>2. Has the volume been set to the min level?</td>
<td>2. Adjust the volume to an appropriate setting.</td>
</tr>
<tr>
<td></td>
<td>3. Is the audio cable connected to the unit?</td>
<td>3. Make sure the audio cable has been properly connected to the unit.</td>
</tr>
</tbody>
</table>

Please contact the customer service center of your local dealer if you have any questions regarding the unit after reading the information provided above.

Package List

A. LCD Monitor x 1
B. Power Cord x 1
C. User Manual x 1
D. 12V Power Adapter x 1 [Except for the 32”/42”]
F. VGA Cable (DB-15) x 1
G. RCA Cable x 1
H. IR remote x 1

Please contact Opticom Tech with any questions. 1-800-578-1853