Welcome

Thank you for purchasing the 21” LED Security Monitor.

This user’s manual is designed to be a reference tool for the installation and operation of the device.

Here you can find information about the corresponding model’s features and functions, as well as detailed instructions on how to operate the device.

Before you operate the device please read the following safeguards and warnings carefully!
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1 General information

1.1 Product description and type of use

The Full HD LCD LED panel comes with a highly advanced video processor, enhancing the effect of displaying high-definition images. The monitor's design incorporates such features as low power dissipation, dust prevention, moisture protection and shock resistance. All of these elements will effectively lengthen the service life of CCTV Display.

It is ideal for continuous operation and can be used in closed circuit TV systems without risks of excessive operational degradation. The power dissipation is low whether in viewing or standby mode, which means you can contribute to your energy saving target.

1.2 General features

- Contemporary design is Ultra-thin and lightweight.
- High contrast ratio and high luminance. Greatly enhances layering and presents images on screen in greater detail.
- Automatically eliminates image ghosting, protecting the LCD panel for long-term use.
- Rapid response, no trailing.
- FC bus, latest control circuit. High reliability and good expansibility.
- Multilevel menu display function.
- Built-in power supply, low energy consumption, long service life.
- Auto image adjustment function in VGA state.

1.3 Opening the box

Check that the packing and the contents are not visibly damaged. Contact the retailer immediately if parts are either missing or damaged. Do not attempt to use the device if you do find that there are parts missing or the device is damaged. Send the product back in its original packing, if it is damaged, to the supplier.
1.4 Contents of the box

- LCD monitor
- Remote Control (Optional)
- Power unit 12VDC 4A
- Power cable
- VGA cable
- Audio cable
- Instruction manual

2 Warnings

2.1 Power

- Only use the power unit provided to power the device. Check the mains voltage rating before plugging the power unit in.
- Do not pull the cable to unplug the device. Grip the plug end firmly and slowly pull out of the monitor.

2.2 Safety precautions

- Keep the device away from rain and atmospheres with a high humidity, to prevent risk of fire and electrocution. Do not introduce material (either solid or liquid) to the interior of the device. If this should accidentally occur, disconnect the device from the mains IMMEDIATELY and have it inspected by qualified personnel.
- Never open the device. In all cases, contact the qualified personnel or authorised service center for repairs.
- Keep the device away from young children, to prevent accidental damage.
- Do not touch the device with wet hands so to prevent electrical shock or mechanical damage.
- Do not use the device if the external casing is damaged from a fall or impact from a heavy/forceful object. There is a risk of electrocution if the device is continued to be used when the casing has been compromised. In all cases, contact the qualified personnel or authorised service center for repairs.
- It is advisable to disconnect the power wire if the monitor is not used for a certain time.
2.3 Installation precautions

- To prevent the device from overheating, locate it in a position where there is an allowance of air flow through the slots in the casing. Ensure at least 5 cm of free space when installing inside a rack. For the same reason, do not install near sources of heat, such as radiators or hot air ducts. Keep away from direct sunlight. Do not install in areas subject to excessive dust, mechanical vibrations or shocks.
- Do not arrange this device on an unstable surface, such as a unbalanced or slanted table. The device could fall causing injury or mechanical failures.
- Do not install the device in a place where it could be exposed to humidity or water. Do not direct a jet of water onto the device: risk of fire, electrocution or even mechanical failure.
- Stop using the device if water or other material should penetrate inside; risk of fire and electrocution. Contact the retailer or authorized installer.
- Slots and openings in the cabinet are provided for ventilation. These openings must not be blocked or covered.
- Do not place heavy or heat generating objects on top of the device: this could damage the casing and/or increase internal temperature causing faults.
- Do not cover the device with a cloth while it is running to prevent deforming the external casing and overheating the internal parts. This could raise the risk of fire, electrocution and mechanical failure.
- Keep magnets and magnetised objects away from the device to prevent faults.
- Do not use the device in the presence of smoke, vapor or dust.
- Wait for a while before operating a device immediately after transporting it from a cold place to a warm place and vice versa. Wait on average for three hours: this will allow the device to adapt to the new ambient (temperature, humidity, etc.).
- The monitor is provided with a plastic base and rubber feet. It can be positioned on a horizontal surface, such as a desk or a table. Make sure that the device is fastened firmly and that it is not resting on unstable supports or surfaces.
- Remember to adjust the brightness and contrast to obtain a perfect image.
- The monitor can also be installed on the wall by means of a bracket (not provided).

2.4 Cleaning the device

- Rub delicately with a dry cloth to remove dust and dirt.
- Dip the cloth in neutral detergent if dirt cannot be eliminated with a dry cloth alone.
- Do not use volatile liquids (such a petrol, alcohol, solvents, etc.) or chemically treated clothes to clean the device to prevent deformation, deterioration or scratches to the paint finish.
2.5 Privacy and copyright

- The LED monitor is a device for use within CCTV systems. Recording of images is subject to the laws in force in your country. Recording of images that are protected by copyright is forbidden.
- Product users shall be responsible for checking and respecting all local rules and regulations concerning monitoring and recording video signals. The manufacturing SHALL NOT BE LIABLE for use of this product not in compliance with the laws in force.

3 Rear Connection Ports

Please connect the monitor to external devices according to the following I/O interface list, and choose corresponding signal incoming channel via the monitor’s menus interface (see Chapter.

![Connections](image)

Attention

- Please cut off the power of the external device and this product to make sure the connection is normal.

4 LCD monitor quality and pixel

The TFT monitor uses high-precision technology, manufactured according to industry standards, to guarantee trouble-free performance. Nevertheless, the display may have cosmetic imperfections that appear as small bright or dark spots. This a common matter related to the specific nature of TFT technology which determines the possible presence of discontinuity on the screen and is not specific to products.
5. Main Menu Operation

5.1 Function Keys

Press the menu button on the bottom right of the screen, and the main menu will be displayed on the screen.

The submenus of the main menu:

- Image menu
- Sound menu
- Setting menu
- Screen menu

Press the menu button to choose the submenus. The menu option chosen will show a highlighted options window. Press the ▲▼ buttons to move among the secondary menus of the submenu. The monitor’s 5 function keys are depicted below:

A. ‘Source’ button

- Press this button to display all the signal channel menus.
B. ‘Upward’ button

- Press this button to move the cursor to the needed function.
- Press this button to select the OSD menu function.

C. ‘Downward’ button

- Press this button to move the cursor to the needed function.
- Press this button to select the OSD menu function.

D ‘Menu’ button

- Press this button to display the OSD’s main menu.
- Used to confirm selection and menus settings with in the OSD.

E. ‘Power’ button

- Press the button to turn on or turn off the display on the monitor.

5.2 PC Menu

The PC menu can allow you to set the contrast, brightness, color temp and scale. Press ▲▼ button to move, press the menu button to confirm and exit.

5.3 Audio Menu

The Audio menu can set the bass, treble, balance and sound mode. Press ▲▼ button to move, press menu button to confirm selection and exit.
5.4 Picture Menu

The Picture menu can set the contrast, brightness, hue, saturation, sharpness, color temp, scale, over-scan and picture mode. Press the ▲▼ buttons to move, then press the menu button to confirm selection and exit.

5.5 Function Menu

The Function menu can set noise reduction and DLC (Dynamic Light Control - image noise reduction). Press the ◄► buttons to adjust, Press the ▲▼ buttons to move, press menu button to confirm and exit.
5.6  OSD Menu

The OSD menu can allow you to set a sleep timer, the auto standby, language, H-position (Horizontal Position), V-position (Vertical Position), duration (time in seconds the OSD menu appears on screen without being used), halftone and reset. Press the ▲▼ buttons to move, press the menu button to confirm and exit.

5.7  Geometry Menu

The Geometry menu can set H-position, V-position, clock, phase and auto adjust. Press the ▲▼ buttons to move, press menu button to confirm and exit.
5.8 Channel Selection

The Source menu can select the channel. The options include; VGA, HDMI, BNC. Press the ▲▼ buttons to select, press menu button to confirm.
6. Troubleshooting Methods

Before consulting with your monitor supplier, please find out the possible reason for the problem and the possible solution according to the following chart:

<table>
<thead>
<tr>
<th>Phenomenon</th>
<th>Handling method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
<tr>
<td>No image or sound</td>
<td>⊕</td>
</tr>
<tr>
<td>Inferior sound - normal image</td>
<td>⊕</td>
</tr>
<tr>
<td>Inferior image - normal sound</td>
<td>⊕</td>
</tr>
<tr>
<td>Poor signal</td>
<td>⊕</td>
</tr>
<tr>
<td>Vague image</td>
<td>⊕</td>
</tr>
<tr>
<td>Double image</td>
<td>⊕</td>
</tr>
<tr>
<td>Interfering lines in image</td>
<td>⊕</td>
</tr>
<tr>
<td>Twisted image</td>
<td>⊕</td>
</tr>
<tr>
<td>Poor signal</td>
<td>⊕</td>
</tr>
<tr>
<td>Rung stripe in image</td>
<td>⊕</td>
</tr>
<tr>
<td>Image vertically scrolls</td>
<td>⊕</td>
</tr>
<tr>
<td>Inferior colour</td>
<td>⊕</td>
</tr>
<tr>
<td>No colour</td>
<td>⊕</td>
</tr>
<tr>
<td></td>
<td>Processing Method</td>
</tr>
<tr>
<td>---</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Select another channel or signal path.</td>
</tr>
<tr>
<td>2</td>
<td>Check whether the signal line is connected or not.</td>
</tr>
<tr>
<td>3</td>
<td>Check whether the signal line is connected or not.</td>
</tr>
<tr>
<td>4</td>
<td>Might be disturbed by other electric appliance – move monitor away from the electrical disturbance.</td>
</tr>
<tr>
<td>5</td>
<td>Adjust fine tuning settings.</td>
</tr>
<tr>
<td>6</td>
<td>Adjust luminance settings.</td>
</tr>
<tr>
<td>7</td>
<td>Adjust contrast ratio settings.</td>
</tr>
<tr>
<td>8</td>
<td>Adjust colour settings.</td>
</tr>
<tr>
<td>9</td>
<td>Check whether the system is set correctly.</td>
</tr>
<tr>
<td>10</td>
<td>Check whether the power is on.</td>
</tr>
</tbody>
</table>
### 7. Product Specifications

<table>
<thead>
<tr>
<th>Panel</th>
<th>Panel Type</th>
<th>LED-Backlit TFT LCD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Panel Size</td>
<td>21-inch(16:9)</td>
</tr>
<tr>
<td></td>
<td>Resolution</td>
<td>1920x1080</td>
</tr>
<tr>
<td></td>
<td>Pixel Pitch</td>
<td>0.238x0.238mm</td>
</tr>
<tr>
<td></td>
<td>Brightness</td>
<td>250 cd/㎡ (Typical)</td>
</tr>
<tr>
<td></td>
<td>Viewing Angle (H/V)</td>
<td>170°/160°</td>
</tr>
<tr>
<td></td>
<td>Display Colour</td>
<td>16.7M</td>
</tr>
<tr>
<td></td>
<td>Contrast Ratio</td>
<td>1000:1 (Typical)</td>
</tr>
<tr>
<td></td>
<td>Response Time</td>
<td>3.5 ms (GTG)</td>
</tr>
<tr>
<td>Input</td>
<td>VGA</td>
<td>x 1</td>
</tr>
<tr>
<td></td>
<td>HDMI</td>
<td>x 1</td>
</tr>
<tr>
<td></td>
<td>CVBS</td>
<td>BNC x 1</td>
</tr>
<tr>
<td>Audio</td>
<td>Audio In</td>
<td>3.5ø mm audio jack</td>
</tr>
<tr>
<td></td>
<td>Speaker</td>
<td>8 Ω 3 Watt</td>
</tr>
<tr>
<td>Power</td>
<td>Power Supply</td>
<td>Internal</td>
</tr>
<tr>
<td></td>
<td>Power Requirements</td>
<td>100 ~ 240V, 50 - 60Hz</td>
</tr>
<tr>
<td></td>
<td>Consumption</td>
<td>&lt; 30W (On),&lt; 0.5 W (Off)</td>
</tr>
<tr>
<td>VESA</td>
<td>VESA FPMPMI</td>
<td>Yes (100 x 100mm)</td>
</tr>
<tr>
<td>HDMI Licence</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>OSD Language</td>
<td>English, Spanish, German, Chinese, French, Italian</td>
<td></td>
</tr>
<tr>
<td>Operating Conditions</td>
<td>Operating Temperature</td>
<td>32° ~ 104°(0℃ ~ 40℃)</td>
</tr>
<tr>
<td></td>
<td>Storage Temperature</td>
<td>-4° ~ 140°(-20℃ ~ 60℃)</td>
</tr>
<tr>
<td>Dimension</td>
<td>Monitor Body Dimensions(W x L x D)</td>
<td>491.55x301.12x53.54mm</td>
</tr>
<tr>
<td>-------------------------</td>
<td>----------------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td></td>
<td>Max Dimensions Monitor +Stand</td>
<td>491.55x365.36x163.65mm</td>
</tr>
<tr>
<td>Certificate</td>
<td>Certifications &amp; Compliance</td>
<td>FCC, CE, RoHS</td>
</tr>
</tbody>
</table>

**IMPORTANT NOTE:**

Product specifications may be subject to change without prior notice.
For more information about our CCTV Monitors and available cameras, recorders & accessories, please visit our website:

www.secyour.co.uk

Alternatively scan this QR code with your smartphone to be directed instantly to our website.