

## 3.5" TFT LCD CCTV Service Viewer with Wristband

### LCD35SV



LCD35SV is a type of product that summarizes views of first-line safety engineers and it is developed specially for technical personnel to debug the front camera conveniently. It has some functions, like on-site access to camera images and providing temporary 12V DC power supply for the camera. The product is built with 18650 lithium battery, providing powerful and reliable power supply for the device, along with the function that it will shut down automatically without video signal for 3 minutes. All the master controls use ultra low power decoder chips and MCU, providing eight hours of long working time. LCD35SV is a practical tool for security project commissioning and maintenance technicians.

### Features

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- PAL / NTSC standard automatic detection
- Display format RGB 320 x 240
- 6 hours operation time
- Provide power to 12V DC / 300mA camera
- Audio and video input
- USB universal charging interface
- Battery save sleep mode - 3 minutes
- Battery over charge protection
- Lithium Battery: 3.7V DC, 2200mA



**Please read the Manual before attempting to use this product.**

*Specifications and appearance are subject to change without notice.*



## CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN!



TO REDUCE THE RISK OF ELECTRICAL SHOCK,  
DO NOT OPEN COVERS (OR BACK).  
NO USER SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED  
SERVICE PERSONNEL.



**Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).**

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



## Caution

### 1. Handle this product with care

Avoid any shock or bumping of the product. Improper handling could damage the product. Do not handle the unit with wet hands. Provide proper ventilation and air circulation and do not use near water.

### 2. Requires a proper operating environment

This product is not waterproof and is designed for indoor use. The allowable temperature range for operation of this product is between 32°F-104°F / -0°C-40°C.

### 3. Check the power source voltage

The power source voltage should be within the specified range. (Product must meet the specifications).

### 4. Objects and liquid entry

Never push objects of any kind into this product as this may touch dangerous voltage points of short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the product.

## 5. Cleaning

Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

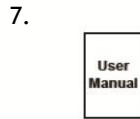
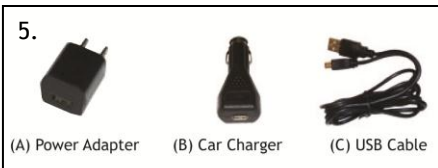
## 6. Servicing

Do not attempt to service this product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

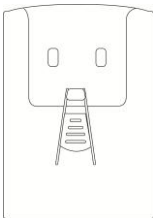
## Package Contents

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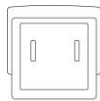
1. One (1) CCTV Service Viewer w/ Wristband
2. One (1) RCA to BNC
3. One (1) Video & Audio Cable w/ BNC Connector
4. One (1) 12V DC Connector for Powering The Camera
5. One (1) Unit Charger Kit
6. One (1) Carry Bag
7. One (1) User Manual



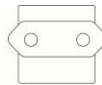
*\* The above Unit Charger Kit components are for U.S.A. type power plug. European type also available and it includes 4 Multi-plugs that are changeable.*



Power Adapter



U.S.A.



EU



UK



AU

For any returns, please include all components listed above with original packaging in **Resalable Condition**. Absolutely No Returns will be accepted if any component is missing/damaged.



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|--|--|
| <p><b>1</b> LCD Screen Protection Film</p> <p><b>2</b> Power LED Indicator</p> <p><b>3</b> Battery Charge Indicator</p> <p><b>4</b> 12V 12V DC Indicator - "On" When Camera is Powered</p>                                   | <p><b>9</b> ▲ Up Key for OSD Menu</p> <p><b>10</b> [M] OSD Menu</p> <p><b>11</b> ▼ Down Key for OSD Menu</p> <p><b>12</b> ★<sup>3</sup> Button for Turn On &amp; Off the Power to Camera 12V DC &amp; Audio</p> <p><b>13</b> [USB] USB Video, Audio, Power to Camera Output Slot</p> <p><b>14</b> Wristbands - Handsfree</p> <p><b>15</b> [Speaker] Two (2) Speakers for Audio - Rear Side</p> |
| <p><b>5</b> DC5V IN [USB] 5V DC Charger Input</p> <p><b>6</b> [Power] Power "On" &amp; "Off" Push Button</p> <p><b>7</b> ★<sup>1</sup> 3.5mm Video &amp; Audio Output</p> <p><b>8</b> ★<sup>2</sup> System Re-Set Switch</p> |  |

Note ★<sup>1</sup>: **7** & **13** are all for Video, Audio output and **13** can also power to 12V DC Camera.

Note ★<sup>2</sup>: **8** Use only if System is freeze. It is similar to that the cell phone battery is taken out.

Note ★<sup>3</sup>: **12** Button for Turn On & Off the Power to Camera 12V DC & Audio




- 1st Push: Turn On 12V DC to Camera
- 2nd Push: Turn On Audio & Turn Off the 12V DC to Camera
- 3rd Push: Turn On Audio & 12V DC to Camera
- 4th Push: Turn Off Audio & 12V DC to Camera



**DO NOT** plug the A/V Cable into the 12V DC Out to Camera port! It will damage the center pin because the pin is fragile and easily damaged when pushed by force.

## Battery Charging:

- This product uses the 18650 lithium battery. When the electric quantity of the battery is less than 10%, the power light will flash, indicating that the device can hold for one hour. At this time, you should charge the device as soon as possible by inserting the matching charging cable into the USB interface and the other end into the matching charger.

- According to USB compatibility, a high-quality cell phone charger (do not use low-quality cell phone charger), or plug it into a computer's USB port to charge the equipment.
- When charging, the battery LED indicator  will blink green and the ON power LED indicator  will blink red. When the charge is full, approximately 4-5 hours, the  indicator will stay lit. The Lithium battery contains a chip that is used to provide protection and prevent over charging and over-discharging.

## Operation ..

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### (A) On / Off Switch

- To turn on the unit, please slide the power switch up. The power LED will light up in red, indicating that the monitor is on.
- To turn off the unit, slide the power switch down.

### (B) Access to Audio and Video

- To access audio functions, plug a 3.5mm audio cable on the side of the monitor device (above the power switch) then connect the end directly to the camera.
- This unit has a built in amplifier and speaker, so it can be directly connected to any other audio feed.
- When using audio only, the unit will enter SLEEP STATE after 3 minutes reducing energy consumption. Accessing video, simply by plugging in the video cable can automatically wake the unit up on to normal ON Mode.

## Power ..

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### (A) 12V DC Power Supply Output to Camera:

- To supply power to camera, insert the included power switch wire into 12V DCOUT (between the USB and audio input) then to the input device. Once the connection has been made the "12V DC" indicator light will turn on.

**NOTE:** The maximum output current is 12V DC 200mA. The output has over-current, over voltage and short circuit protection functions. *Do not use high power IR cameras because it will overload and damage the power module.*

## Technical Specifications

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|                               |   |
|-------------------------------|---|
| <b>Model</b>                  | <b>LCD35SV</b>  |
| <b>Display</b>                | TFT 3.5 inch  |
| <b>Shell Materials</b>        | Engineering ABS plastic   |
| <b>Battery</b>                | 18650 lithium battery 3.7V DC, 2200mA   |
| <b>Power Consumption</b>      | ≤ 0.8 (12V emergency power does not open)   |
| <b>Charger</b>                | 5V DC / 1A  |
| <b>Emergency Power Output</b> | 12V DC / 200mA  |
| <b>TV System</b>              | PAL / NTSC  |
| <b>Display Format</b>         | 320 RGB x 240   |
| <b>Operation Time</b>         | 6 hours   |
| <b>Video Input</b>            | 1.0 Vp-p  |
| <b>Audio Input</b>            | 0.7 Vp-p  |
| <b>Automatic Sleep Mode</b>   | 3 minutes   |
| <b>Operating Temperature</b>  | 5°C ~ 50°C / 41°F ~ 122°F   |
| <b>Dimension</b>              | 92 x 73x 27 mm (shade cover part is 40 mm)<br>3.62 x 2.87 x 1.06 inches (shade cover part is 1.57 inches) |
| <b>Weight</b>                 | 120 g / 4.2 oz  |
| <b>Machine Gross Weight</b>   | 500 g / 1.1 lbs   |

\*Specifications are subject to change without notice

## Limited Warranty

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### **LIMITED ONE (1) YEAR WARRANTY AND EXCLUSIONS**

Manufacturer warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Manufacturer is free of defects in materials and workmanship under normal and proper use for one (1) year from the purchase date. Manufacturer's only obligation is to correct such defects by repair or replacement, at its option, if within such one (1) year period the product is returned prepaid, with proof of purchase date, and a description of the problem. This warrant excludes and there is disclaimed liability for labor for removal of this product or reinstallation. **This warranty is voided if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other implied warranties of any kind, including merchantability and fitness or a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warrant, including merchantability and fitness of or a particular purpose, is limited to one (1) year. Manufacturer is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, loss sales or profits or delay or failure to perform this warranty obligation.** The remedies, provided therein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.



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