

# **Zoomax<sup>®</sup> Snow Handheld Video Magnifier User Manual**

**ZOOMAX**

V3.4

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If you have any question or suggestion concerning the use of this product, please contact your distributor or ZOOMAX by e-mail [sales@zoomax.com](mailto:sales@zoomax.com).

To search the knowledge base, visit [www.zoomax.com](http://www.zoomax.com) and choose the relative link.

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## Description

The Zoomax<sup>®</sup> Snow is a lightweight handheld electronic magnifier with a large 4.3” widescreen LCD display. It provides magnification from 2x to 16x, as well as 10 contrast modes, and has the ability to freeze an image for a closer look. It also features a modern design with a power saving function.

## Accessories

Zoomax<sup>®</sup> Snow Package contains the following:


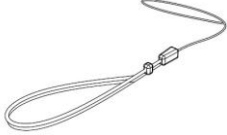


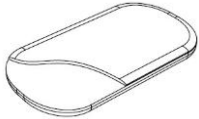

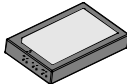
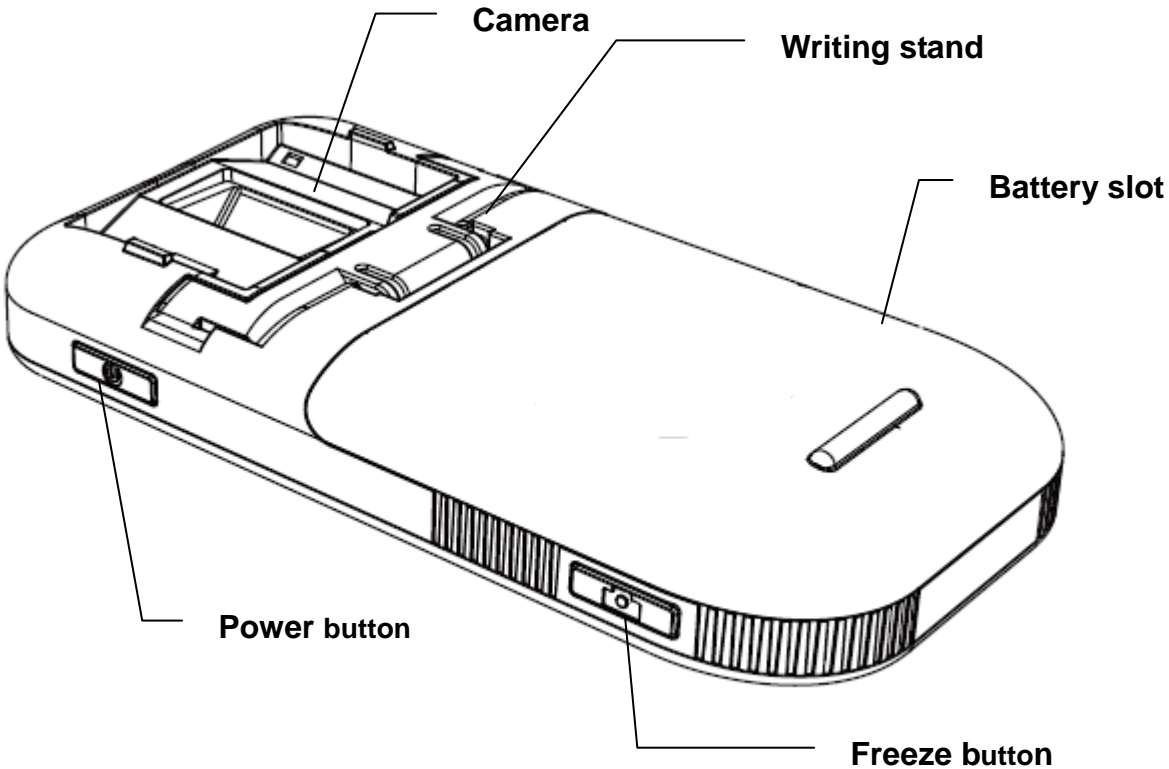
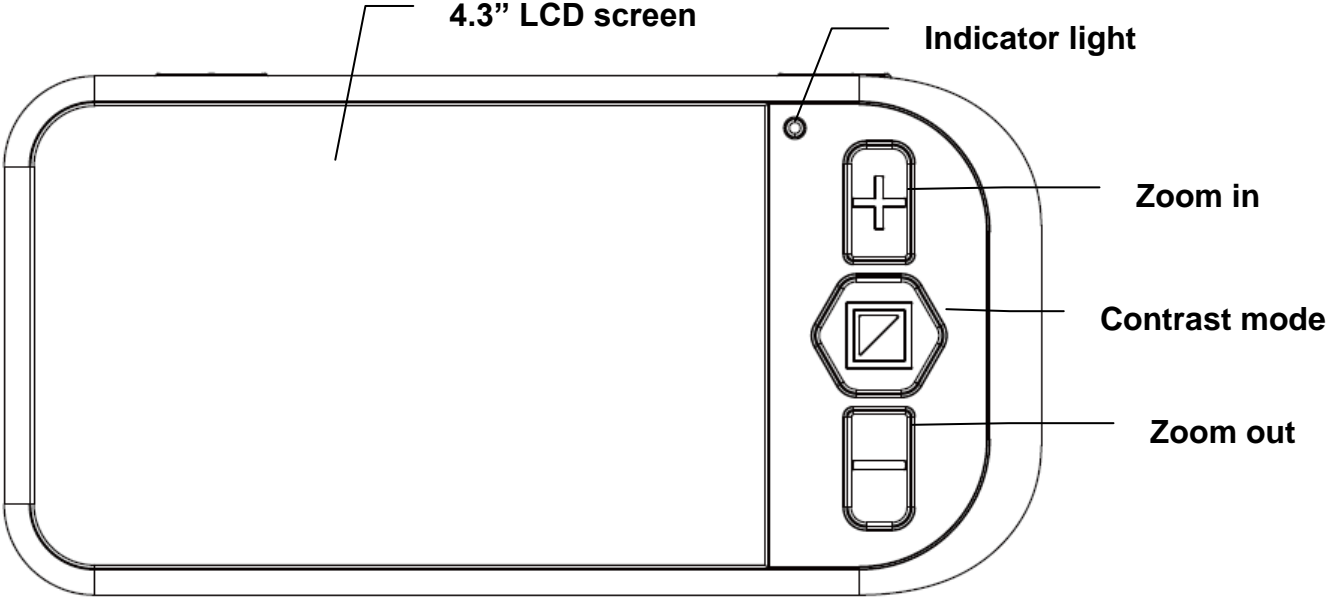
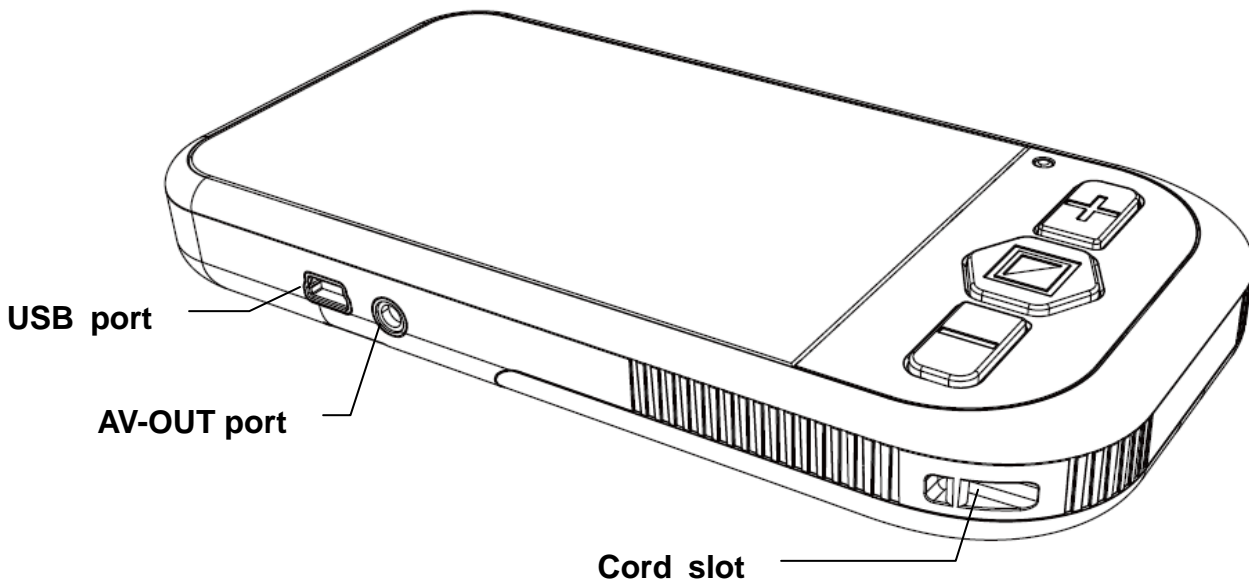
 Video Magnifier	 Short strap	 User manual
 Video cable	 Protective case	 AC power adapter
 Rechargeable lithium battery		

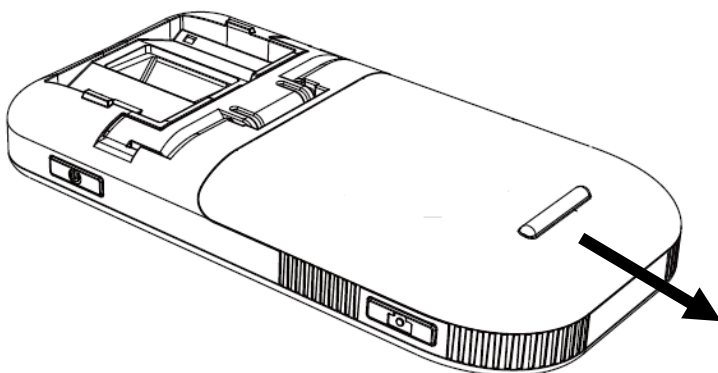
Image of the Zoomax Snow below with descriptions of buttons, plugs and lights:





## General operation

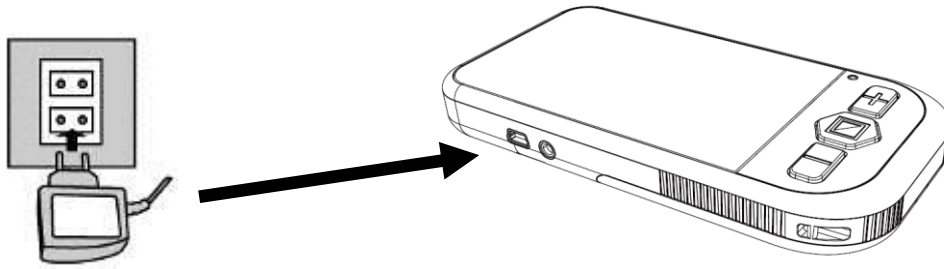
### Battery installation



#### **Install the battery as follows:**

1. Turn the unit over so that the back is facing up
2. Press and slide open the battery cover
3. Insert the battery ensuring the holes on the battery match the pins in the battery compartment.
4. Place the cover back and slide it into the closed position

## Charging the battery



### **IMPORTANT:**

The battery should be charged prior to using the Snow for the first time. Connect the Power adapter to the USB port and then insert the other end of the Power adapter into the power outlet. The power indicator will be a red colour during charging. When the battery is fully charged, the LED indicator will turn off.

During normal operation, if the battery indicator on the screen has no bars and flashes, the battery is low and you need to recharge it. Charging the battery takes about 4 hours, and a fully charged battery will last for approximately 3.5 hours. You can purchase an extra battery for long trips or extended use.

## To install the short strap

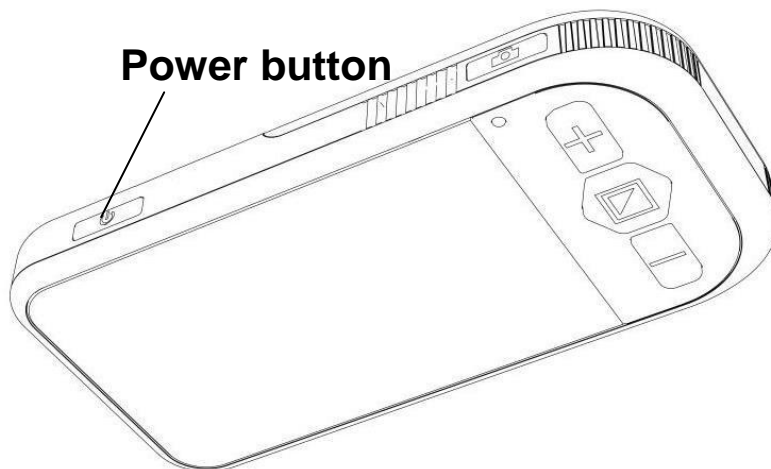


Insert the small loop through the corner of the Zoomax designed for the wrist strap. Pull the other end of the strap

through the loop and tighten.

## **Operating Instructions**

Press and hold the light blue button on the top edge of the Snow for two seconds to start the unit. The green power indicator will light up and the unit will enter into video magnifier mode.

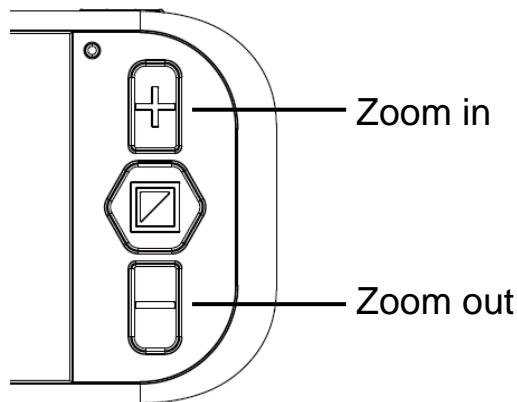


Press and hold the Power button for 2 seconds to turn the unit off. The green indicator light will turn off at the same time.

Please note to save power, the unit will turn off automatically after 3 minutes of inactivity.



## Adjusting Magnification

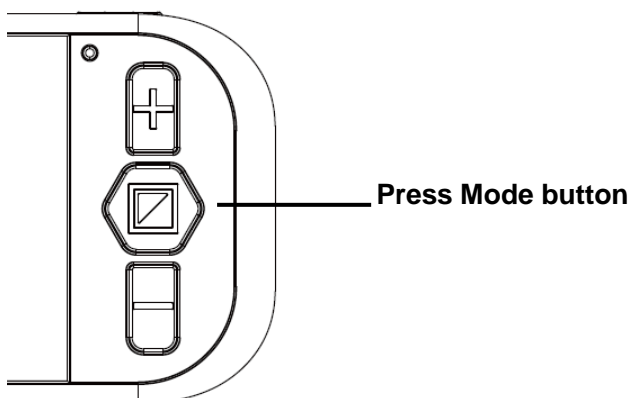


Press the (plus) “+” button to zoom in, and press the (minus) “-” button to zoom out.

### **Magnification levels:**

- Placing the Zoomax flat on the paper will give you a magnification level of 3.6x to 16x.
- Lifting the Zoomax up over the material slightly will give you a magnification level of 2x to 10x magnification
- You can get much larger magnification of the viewed material if you connect the Zoomax to a TV.  
Magnification is dependent on the size of the TV.

## Changing the display mode



**You can choose between two modes of operation:**

### **1. Normal mode**

In Normal mode, press the Mode button to cycle through the following viewing modes:

- Full color mode
- Grey mode
- High contrast white text on black background
- High contrast black text on white background
- High contrast white text on blue background
- High contrast blue text on white background
- High contrast yellow text on black background
- High contrast black text on yellow background
- High contrast blue text on yellow background
- High contrast yellow text on blue background

### **2. Favorite or simplified mode**

In this mode, press the Mode button to cycle through 3 basic modes: full color, your favorite contrast color and the reverse of that favorite (such as white on blue & blue on white).

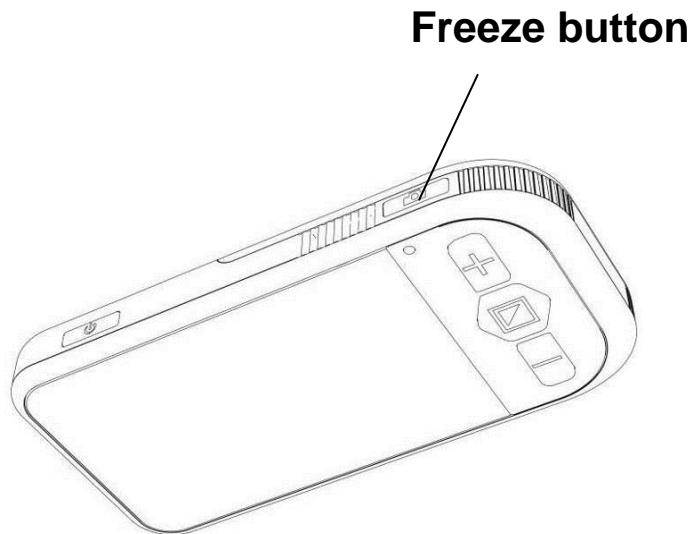
To enter into favorite mode, firstly choose your favorite contrast color in normal mode, then press and hold the Mode button for 2 seconds until you hear a BEEP.

**NOTE:** If the unit enters into Favorite mode from full color mode or grey mode, then the switch would be among full color, white on black and black on white.

To exit Favorite mode, press and hold the mode button for 2 seconds until you hear a BEEP again.

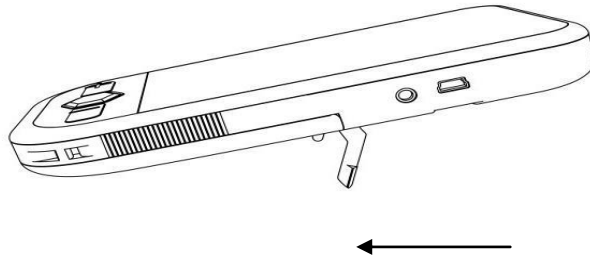
Please note that if you turn off the unit during Favorite mode, it will memorize the settings and enter into Favorite mode automatically at next power on.

### **Freezing the viewed image.**



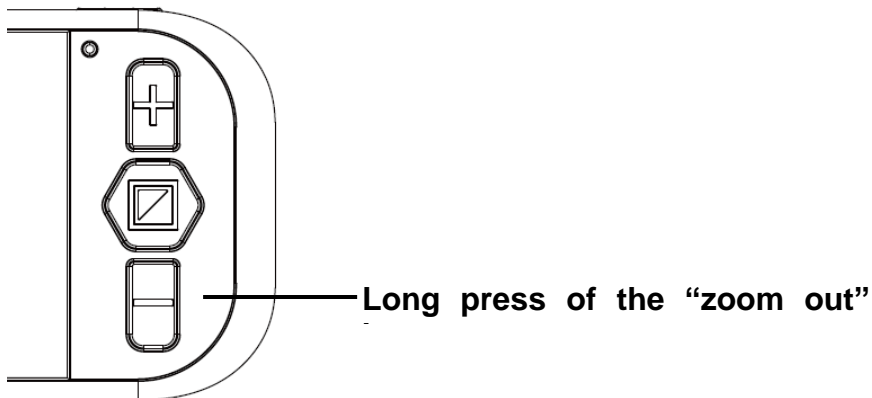
- Use the Freeze button to capture images and letters
- Put the unit over the object or material
- Press the freeze button
- You can now pick up the unit and bring it closer to you to look at the image.
- Press the freeze button again to go back into the normal image view.

## Writing Stand



Open the Writing stand to allow you to write underneath the camera easily.

## Turning the beeps on or off.

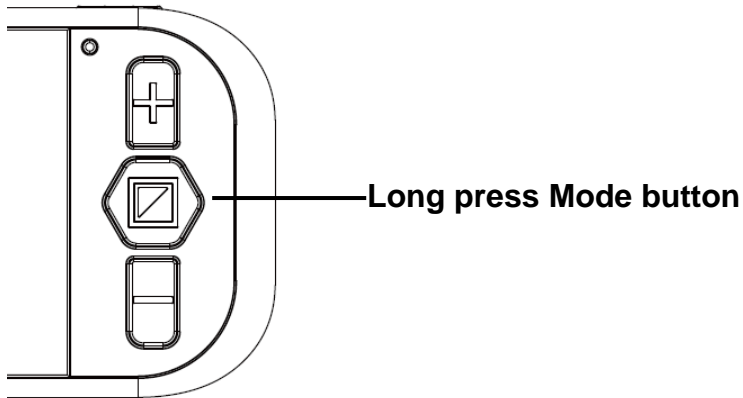


**By default, the button sounds are off.**

To turn it on, press and hold the “Zoom Out” button for 5 seconds until you hear two BEEPS.

To turn it off again, press and hold the “Zoom Out” button for 5 seconds until you hear a BEEP once.

## Turning the camera light on and off



### **The camera light is on by default.**

To turn the light off, press and hold the “Mode” button for 5 seconds until you hear two BEEPS. Note (keep holding if you just hear one beep).

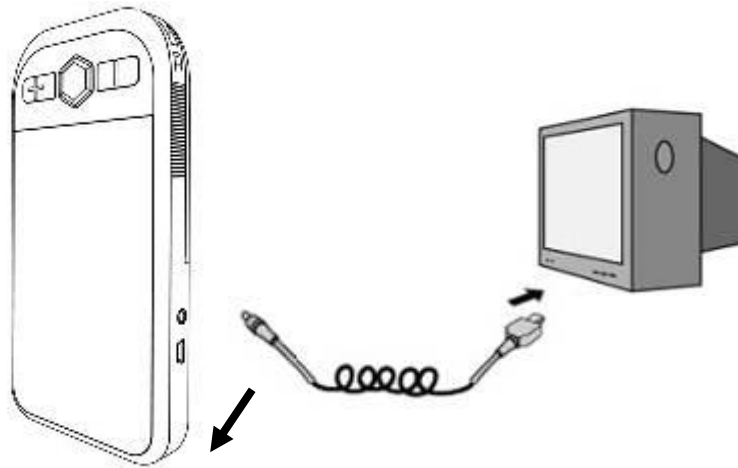
To turn the light on, press and hold the “Mode” button for 5 seconds until you hear two BEEPS. Note (keep holding if you just hear one beep).

### **Adjusting the brightness**

Hold the Freeze button and the Zoom in button together to enter into brightness adjustment mode. A brightness bar will appear, press the Zoom in button to increase brightness and the Zoom out button to decrease it again. Press the Mode button to confirm the brightness and exit. Note that under this setting, if you don't use the unit for 5 seconds, it will exit automatically.

## Connecting to a TV

Plug in the AV cable that comes with your unit to the yellow video plug on your TV.



- After you connect the cable the LCD screen will turn off automatically and the image will appear on your TV screen.
- To select the appropriate TV standard, press and hold the Freeze button for 3 seconds. Use the zoom in and zoom out buttons to choose PAL or NTSC, then press the mode button to confirm your selection. If all is correct, the image shall be shown on your TV.
- Once your selection is confirmed, it will become the default TV standard of the unit next time you plug in the cable. No need to set it again.
- After unplugging the AV cable, the image will automatically return to the LCD screen of the unit without any other operation required.

## Power saving function

Under the magnifier mode, the unit will turn off automatically if there is no operation for over 3 minutes. When the unit is charging, it will switch to the power supply automatically while charging the battery at the same time.

## Memory function

The Zoomax Snow will automatically memorize the most recent settings (e.g. color mode, magnification, video output format, button beeps, brightness) and use them the next time you power on.

## Factory reset function

Under lowest magnification setting, simultaneously press Power button and zoom out button 5 seconds to restore its original manufacturing settings.

## Troubleshooting

<b>Problems</b>	<b>Solutions</b>
Black screen	<ol style="list-style-type: none"><li>1. Ensure that the power is on.</li><li>2. Change the battery.</li><li>3. Reduce the magnification level.</li><li>4. Ensure the image is below the crosshair.</li></ol>
The unit will not turn on.	Change the battery.
The image on the screen is dark or distorted.	Ensure the Video Magnifier is flat on the page.
Power adapter is connected but the battery is not charging.	Ensure the outlet has power and the plug is fully inserted in the power jack.
Smudges or blemishes	Clean camera and screen with

on the screen.	soft cloth.
Text is too small to read.	Adjust the magnification up to suitable level. <ul style="list-style-type: none"> <li>• Connect to a TV with the supplied cable.</li> </ul>
Text is too large to read.	<ul style="list-style-type: none"> <li>• Adjust the magnification down to a suitable level.</li> <li>• Lift/move the unit a little away from the subject.</li> </ul>
The unit is connected to a TV, but no image appears on the TV screen.	<ul style="list-style-type: none"> <li>• Ensure the TV is on.</li> <li>• Check the line is properly connected to the TV</li> </ul>
The screen is frozen or distorted or any other problem not mentioned in this manual.	Restart the unit or remove and replace battery.

If your problem is not listed above, please contact your local distributor.



## **Safety**

To keep your video magnifier in a good condition, please read the following safety instructions carefully:

- Do not expose your video magnifier to excessive heat or direct sunlight to avoid the risk of fire.
- Keep your video magnifier away from wet areas, rain, fluids and chemicals.
- Do not use your video magnifier inadequately shielded medical devices.
- Always use your video magnifier in an environment where the temperature is between 10°C and 40°C (50 and 104F).
- Do not attempt to repair your video magnifier or open its case. This will void the warranty. Contact your distributor to service this equipment.
- Always unplug your unit before cleaning. Use only a damp, soft, lint-free cloth. Do not use alcohol solvents or other cleaning agents.
- Use only the supplied power adapter to charge the battery as other adapters may damage the unit.

## Specifications

1. Magnification: 2x to 16x
2. Display modes: ten modes (full color, gray, high contrast white on black, high contrast black on white, high contrast white on blue, high contrast blue on white, high contrast yellow on black, high contrast black on yellow, high contrast blue on yellow, high contrast yellow on blue)
3. Focus: Auto focus
4. Screen: 4.3" (109mm) widescreen TFT
5. TV output: PAL/NTSC
6. Power saving mode: the unit will turn off automatically after no activity for 3 minutes
7. Battery: rechargeable lithium battery 3.5 hours of continuous use
8. Battery level indicator: Positive
9. Power adapter: input: 110—240V, output: 5V/1A
10. Charging time: 4 hours
11. Weight: 5.75 ounce (without battery)
12. Accessories: user manual, rechargeable lithium battery, AC power adapter, short strap, protective case, video output cable
13. Operation and storage conditions:  
Humidity < 70%  
Temperature: 10-40°C