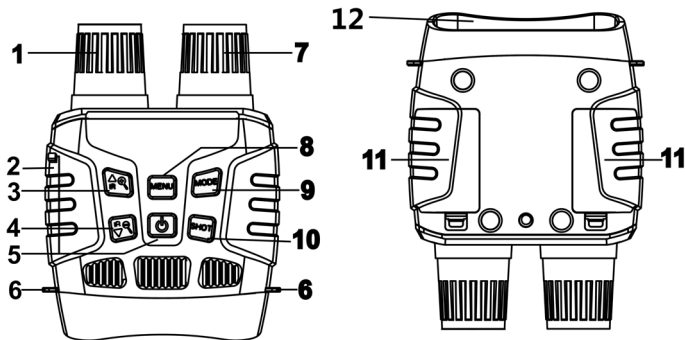


User Manual



➤ Product Overview



1. focus wheel	2. USB port/Micro SD card slot Cover
3. IR Up/Zoom in/Up Button	4. IR Down/Zoom out/Down Button
5. Power Button	6. Strap Hole
7. IR LEDs	8. Menu Button
9. Mode Button	10. Shot Button
11. Battery Cove	12. View Area

➤ **Specification**

- Still Image Size: 3M(2048x1536)/2M(1600x1200)/
1M(1280x960)/VGA(640x480)
- Video Size:FHD(1920x1080@30FPS)/
960P(1280x960@30FPS)/VGA(640x480@30FPS)
- Aperture: F 1.2 f=25mm
- Lens Angle: FOV=10° , diameter is 24mm
- Display Screen: Inner screen 2.31”(960*240) TFT;
Outer screen 98*48mm,4x optical

amplification

- Digital Zoom: 4X
- Storage Media: Micro SD card, up to 32GB
- Viewing Distance in all dark: 200M-300M
- Viewing Distance in weak light: 3M~infinity
- IR LED: 3W,850nm
- USB Port: Micro USB 2.0
- Power Source: 9V, 6xAA
- Operating Temperature: -20℃ to +60℃

- Storage Temperature: -30℃ to +70℃
- Dimension: approx.196*146*59mm
- Weight: approx.576g

➤ **Install Batteries**

- ◆ Please install batteries into the device before using.
- ◆ Open the battery cover (11) on the back of device.
- ◆ Insert 6 x 1.5V AA brand Alkaline batteries into the battery compartment. Make sure the polarity is correct.
- ◆ Close the battery cover (11) .

➤ **Inserting Memory Card**

- ◆ Please prepare a Class 10 Micro card(up to 32GB) in advance.
- ◆ Open the card slot cover(2), you will see the card slot.

- ◆ Insert the Micro SD card into the slot. Make sure the direction is right. Never insert the card forcibly.
- ◆ Format the Micro SD card, this can improve the compatibility of Micro SD card.
- ◆ To remove the card from the memory card slot of the device, press the edge of the memory card in gently, the card will pop out. Then remove the card.

Note: The device will prompt “Please insert SD card” if the TF card did not installed.

Basic operation

➤ Turn On And Turn Off




Long press the POWER button(5) for 3 seconds to turn on the device. Long press the POWER button(5) to turn off the device.

Watch the eyepiece/display screen(12) and adjust the focus wheel according to the actual distance to focus until the screen is clear. If the light is insufficient or used in the evening, turn on the IR by pressing the IR button(3).Increase the brightness by pressing the button repeatedly.It has 7 levels of brightness(0> 1> 2> 3> 4> 5> 6> 7> 0...)The brightness can be adjusted according to your needs. Long press IR up to zoom.



➤ **Changing The Modes**

The night version has 3 different modes : photo mode, video mode and playback mode. Press the Mode button(9) can change mode.



	Photo Mode	For taking still photos.
	Video Mode	For recording video.
	Playback Mode	For playing the recorded

➤ **Taking pictures**

1. Turn on the device,the default is Video mode.

Please press the Mode button(9) to switch to photo mode.

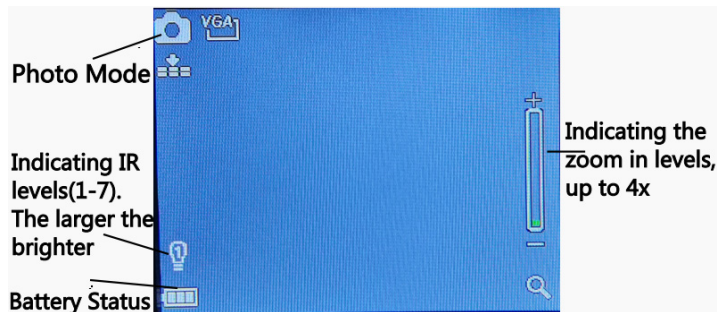
2. Zooming:

Keep pressing the  or  button(3 / 4) to zoom in or zoom out the image. the value of magnification level appears on the LCD screen.

3. Take a still photo.

- View your subject via the LCD screen.



- Adjust the focus by turning the focus wheel
- For night or insufficient light use,turn on the IR by pressing the IR button(3).Increase the brightness by pressing the button repeatedly.It has 7 levels of brightness(0> 1> 2> 3> 4> 5> 6> 7> 0...)The brightness can be adjusted according to your needs.
- Press the Shot button(10) to take a photo.



➤ Recording Video

1. Turn on the device,the default is Video mode. If not, press the Mode button(9) to switch to Video mode.

2. Zooming:

Keep pressing the  or  button to zoom in or zoom out the image. The value of magnification level appears on the LCD screen.

3. Start to record video.

- View your subject via the LCD screen.

- Adjust the focus by turning the focus wheel

For night or insufficient light use,turn on the IR by pressing the IR button(3).Increase the brightness by pressing the button repeatedly.It has 7 levels of brightness(0> 1> 2> 3> 4> 5> 6> 7> 0...)The brightness can be adjusted according to your needs,darker and need adjusted more brightness.

- Press the Shot button(10) to start to record.The record duration will be shown on the LCD screen.

4. Finish recording.

- Press the Shot button(10) again to stop recording.
- The device will stop recording automatically once capacity of the memory card is full.

Notice:

➤ Device Power Off

If the device fails to activate, check for defective, missing or improperly-installed batteries. Replace or install batteries correctly. Please make sure to use only AA Alkaline batteries.

➤ Poor Image

- ◆ If you wear glasses, please keep them on while using the device.
- ◆ If at day, make sure the IR is off (if IR is on,screen is black and white or the screen is colored)
- ◆ If at night, make sure you have turned on the IR,press IR up(3) (if IR is on,screen is black and

white).

- ◆ Adjust the focus by slowly turning the Focus wheel(1) . Make sure it is focused.

IR – LED (Night vision function)

In photo/video mode, if you have to view the darkness environment, please short press IR UP button to activate the IR LED, the image will change to black and white. The IR LED has seven levels, short press IR UP button to up the level, short press IR DOWN button to down the level.

Note: If the battery voltage is not enough, the IR LED level will down automatically. IR level can up to 7 levels when the battery power is full.

If only left half power, the level just can up to 5. If only left 25% power, the level just can up to 3. If the battery power is lower than 25%, IR LED cannot be activated.

➤ **Settings in Photo and Video Mode**

Press Menu button in photo or video mode, can change the settings.

Menu	Function
Photo Resolution	Set the photo resolution. Options:[3M(2048x1536)]/2M(1600x1200)/1M 1280x960]/[VGA 640x480]
Video Size	Set the video resolution. Options:[FHD(1920x1080)]/[960 1280x960]/[640 640x480].
Night vision sensitivity	Choose the night vision sensitivity. Options:[Low]/[Middle]/[High].
Power Frequency	Set the light source frequency to match frequency of electricity supply in local region to prevent interference. Options:[50Hz]/[60Hz].
Power Save	Set the time to shut down the device for power saving if the device is idle. Options:[3min]/[5min]/[10min]/[OFF].

Date&Time	Set the date and time of device.
Date Stamp	Add the date stamp on the photo or video files. Options:[Off]/[Date]/[Date&Time].
Language	Set OSD (on-screen) language. Options:[English]/[Simplified Chinese]/[Traditional Chinese]/[French]/[Dutch]/[Spanish]/[Italian]/[Portuguese]/[German]/[Russian]/[Japanese]/[Korean].
Format	Format your TF card. Format TF card will delete all files including the protected files. Please copy the important files before confirm. Options:[Yes]/[No].
Reset All	Restore the setup to factory default settings.Options:[Yes]/[No].
FW Version	User can see the firmware version information.

➤ **Playback**

1. Turn on the device, press the Mode button(9) to switch to playback mode.
2. Press Up/Down button(3/4) to view photos and video files.
3. Playback the video
 - Press the Shot button(10) to start playing the video files.
 - Press the Shot button(10) again to have a pause.
 - Press Menu button(8) to stop the current video playing.

Press Menu button(8) in playback mode, the screen will display the playback menu. Press Up/Down button(3/4) to scan lock or delete. And press Shot button(10) to select one to enter the sub-menu.

Playback menu list :

Menu	Function
Lock	Lock or unlock the current one file or all files in memory card. Options:[Lock/Unlock one]/[Lock All]/[Unlock All].
Delete	Delete the current one file or delete all files in memory card.Options:[One]/[All].

Download files to PC

There are two ways to download files from the device to a computer:

- By inserting the memory card into a card reader.
- By connecting the device to a computer using the supplied USB cable.

Using a Card Reader

1. Eject the memory card from the device and insert it into a card reader. Then connect the card reader to a computer.
2. Open [My Computer] or [Windows Explorer] and double-click the removable disk icon that represents the memory card.
3. Copy images from the card into a directory of your choice on the computer's hard disk.

Connecting the Device to a PC through the USB Cable

1. Turn on the night vision. Connect it to a computer through the supplied USB cable.
2. When connecting to the computer, it will appear "MSDC" on the screen.
3. Open [My Computer] or [Windows Explorer].
A "Removable Disk" appears in the drive list.

Double-click the "Removable Disk" icon to view its contents. Files stored on the camera are located in the folder named "DCIM".

4. Copy the photos or files to your computer.

NOTES on Cleaning

Before cleaning the device, disconnect it from the power supply (remove batteries)! Only use a dry cloth to clean the exterior of the device. To avoid damaging the electronics, do not use any cleaning fluid. Clean the eyepieces and/or lenses only with a soft, lint-free cloth, (e.g. microfibre cloth). To avoid scratching the lenses, use only gentle pressure with the cleaning cloth. Protect the device from dust and moisture. Store it in a bag or box. Remove the batteries from the device if it is not used for a longer time.

