Full Color Night Vision

User Manual

Introduction

◇ Thank you for purchasing the full color night vision.

◇ This manual will help you optimize your viewing experience by explaining how to utilize the binoculars controls and features, and how to care for them.

◇ Read the instructions carefully before using your night vision.

◇ The night vision can be used day and night. The IR light is not turned on during the day, and the pictures or videos are displayed in color, but this full color night vision can be used at night in color, and need in the low light conditions. In low light conditions or even complete darkness, turn on the IR lights to see your surroundings. You can also take photos and videos, which will be stored on the included 32GB micro SD card.

◇ Download them to your computer using a card reader or USB cable.

Note: To see the image display more clearly, please keep a certain distance between your eyes and the eyepiece/display during use, do not come close.

We are always happy to help!

Product Overview:

1. Power Button
2. IR UP/Zoom In/UP Button
3. IR Down/Zoom Out/ Down Button
4. Mode Button
5. Menu/Return Button
6. OK/Shot Button
7. 3.0 Inch LCD Screen
8. IR light
9. Lens
10. USB Port
11. SD Card Slot
12. Manual Focus Wheel

MENU Function

Brightness	1/2/3/4/5
Resolution	4K/2K/1080P/720P
Image Size	60M/48M/42M/36M/32M/30M/24M/20M/12M/10M/8M/5M/3M
Loop Recording	Off / 1 Minute/3 Minutes/5 Minutes
Date/Time	2023/01/31 01:00
Record Audio	Off / On
Language	English/Deutsch/ Français/Italiano/ Español/Русский/中文/日本语
Auto Power Off	Off /1 Minute/2 Minutes/ 3 Minutes/ 5 Minutes
Frequency	50Hz / 60Hz
Key Tone	Off / On
Format	Cancel / Ok (All data will be deleted)
Default	Cancel / Ok (Return menu setting to default)
Version	20230418

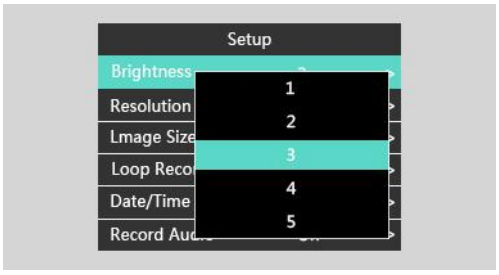
LCD Display Information

Video Mode

Photo Mode

Playback Mode

Brightness Setting



Resolution Setting

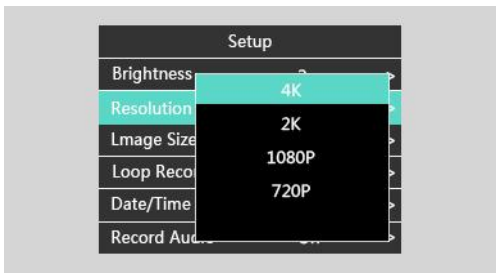
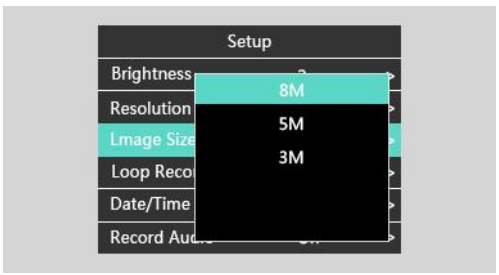
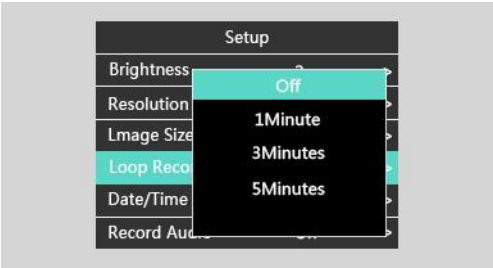


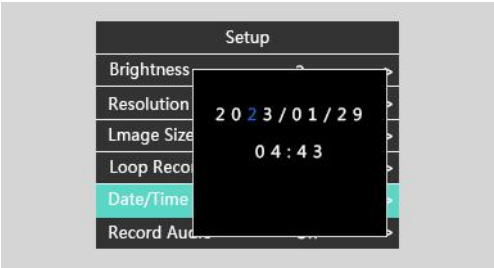
Image Size Setting



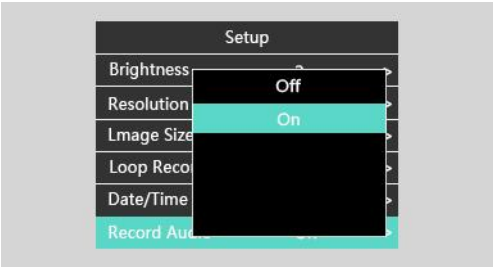
Loop Recording Setting



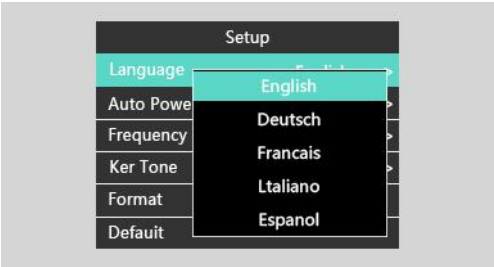
Date/Time Setting



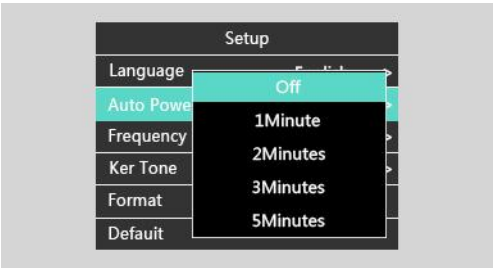
Record Audio Setting



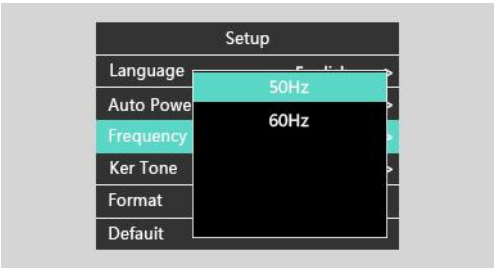
Language Setting



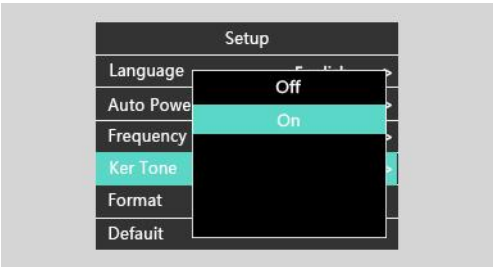
Auto Power Off Setting



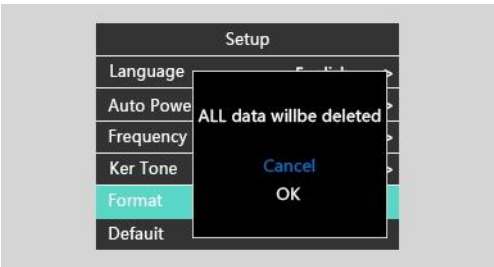
Frequency Setting



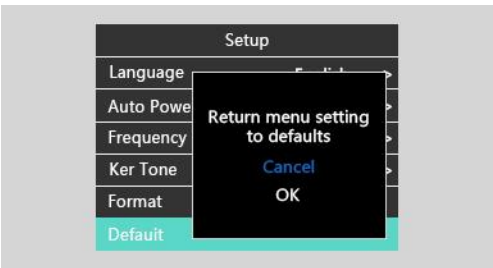
Key Tone Setting



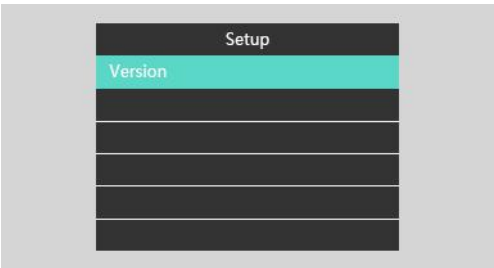
Format Setting



Default Setting



Version Information



Power Supply

Night Vision has a built-in 5000mAh lithium battery, which can be used for up to 5 hours in night mode. Equipped with a display USB charging cable, you can directly observe whether the fuselage indicator is fully charged. (When the product is turned on, the indicator light is always blue; the indicator light is red when charging; the indicator light is off when fully charged.)

Red light is charging

Inserting / Removing the SD card

1. Insert the micro SD card into the card port and push until it locks in place.
2. To remove the installed micro SD card, please push the card inward and it will come up.

Tip: It is recommended to use a micro SD card (Max support 128GB).

Turn On/OFF

1. Hold the button for 3-5 seconds to turn on/off the night vision.

Note: Please turn off the device before charging.

Adjustment Mode

The night vision has 3 modes and you can switch between them by pressing the MODE button

	Photo Mode	Take photo
	Video Mode	Video recording
	Playback Mode	Play back picture/video

Note: In Video Mode, short press the button, it can turn on the PIP function, it will be shut down when press it again.

Photo Mode

1. The default is video mode after power on, please press the

button to switch to photo mode, the icon will appear in the top left corner of the screen.
2. Press the button to take a picture.
3. The default is 8MP, if you need to choose a higher pixel photo, please press the

button to enter the menu and select.

Video Mode

1. The default is video mode after power on, if not video mode, please press the

button and select the video mode, the icon will appear in the top left corner of the screen.
2. Press the button to start recording the video and press the button again to stop recording.
3. In Video Mode, short press the button, it can open the PIP function, it will be shut down when press it again.

Playback Mode

1. Watching stored videos and photos: press the

button and select playback mode. You may toggle through your saved photos or videos with

and

buttons.
2. Deleting stored videos and photos: in playback mode, please press the

button, you can use the

or

button to select to delete/protect the image you are viewing from the micro SD card, then press button to delete/protect the image.

Full Color Image

1. In low light conditions, you can use the full color function of night vision, the color is colored , not black and white, and don’t need to turn on the IR light.
2. In darkness, can not use the full color function, please short press the

button to turn on the IR light, but it is black and white on the photo or video mode.

Quick Start

1： Insert Micro SD card（Max support 128GB），Long press key to 3-5s，the indicator light shows blue, the device will power on，After power on，adjust the object clearly through the focus wheel，and press key， manual take photo or video record，and long press key to shutdown

2： Press key， setting work mode（photo， video，playback），on playback mode，press key to playback， and press key again，exit playback

3： Press key，enter to menu setting parameters，press or up or down key to select，and press key to confirm，after settings，press key again to back and exit menu

4： Short press key to open IR LED， press it again to add one level until 7 Levels (Max)，short press key to reduce one level until 0 level (Mini) and close IR LED

5： Long press key，Zoom in，Max 5X， long press key，Zoom out，Mini 0X，
for the objects of long range or nearly range，Zoom in or out first ,and adjust the clearly object through the focus wheel，press key to take photo or video record and save SD card
Note： Turn on IR LED status，can not zoom in or out，need to close IR LED first

6：Long press key 3-5s to shutdown，take out SD card after shutdown，read the data files with card reader or connect USB cable on PC

7： Charging，the indicator light shows red, and connect it to DC 5V adapter or Power Bank with USB cable; the indicator light goes out when full charging.

Note: The adapter is not included, the user uses the adapter, we recommend using DC 5V 1A to avoid damaging the battery as much as possible.

Product Parameters

Aperture	F0.8 f=35mm
Lens Angle	FOV 20º, diameter: 35mm
Display Screen	Inner 3.0 inch LCD
Digital Zoom	5X
Storage Media	Micro SD Card, Max support 128GB
Viewing Distance in darkness	150-300M
Viewing Distance in daytime	3M~Infinity
IR LED	5W, 850NM, 7 levels
USB Port	Type C, USB 2.0
Power Source	Built-in 5000mAh battery
Full Color	Support
Picture in Picture (PIP)	Support
Operating Temperature	-20℃ to +60℃
Storage Temperature	-30℃ to +70℃

Download Files to the PC

There are two ways to download images from night vision memory cards to on computer.

1. **Use SD card reader**
   Pop up the SD card from the machine and insert the card reader to connect to the computer.
   Open my computer, double-click the removable disk
   Copy the files from the memory card to the computer
   Tip: The card reader is not included.

2. **Connect the night vision to PC by USB cable**
   Turn on the night vision, and connect it to PC by USB cable
   Tip: only support windows system.
   “Mass Storage” will appear on the screen
   Open my computer, double-click the removable disk
   Copy the files from the memory card to the computer

Questions & Answers

1. Q: What should I do if I can't boot up?
   A: Please charge the night vision first, connect the USB to DC 5V or power bank by USB cable, and try to turn it on.
2. Q: What should I do if the screen display is abnormal?
   A: You can shut down first, then restart.
3. Q: What should I do if I cannot connect to the computer via USB cable?
   A: Please check whether the USB cable is good, whether the interface is inserted in place, whether the computer USB interface is good, etc.
4. Q: What should I do if the device cannot read the memory card?
   A: Please check whether the memory card is inserted into the device correctly, and the quality of the memory card is good, the maximum is 128GB (it is recommended to format the memory card before using it), or please replace other type memory card.
5. Q: How to adjust the date and time?
   A: Press the MENU button, enter the menu to select the date/time via Up and Down button, and setting the date and time to the current.
6. Q: How to close the sound of the device?
   A: Press the MENU button, and enter the menu to select the Key Tone via Up and Down button, and select Off.
7. Q: How to turn off or on the IR light?
   A: Adjust the IR level by short pressing

or

button, IR+ is turn on the IR light and up shift, IR- is down shift and turn off the IR light.
8. Q: How to zoom in or out?
   A: Long press

to zoom in, long press

to zoom out.
9. Q: What if the screen suddenly freezes after startup or during use?
   A: Press MENU+MODE button at the same time to reset.
10. Q: How to open PIP (picture in picture) function?
    A: In video mode and power on, short press button to turn off or on PIP.
11. Q: When to use the full color mode?
    A: In low light conditions, turn on the machine, aim the device at the target object, adjust the lens until the target object is clear, and the object is in color.

Tips & Warnings

1. **The device can not be activated.**
   Please charge the device first, connect the USB to DC 5V 1A adapter or a power bank, and try it to turn on.

2. **Focusing the image**
   Target the object you would like to view and turn the object focusing wheel until the image on the screen comes sharp and clear.

3. **Cleaning the night vision**
   Before cleaning the machine, disconnect the power and clean the outside of the machine with a dry dustless cloth. To avoid damage to the machine, do not use ant cleaning fluid, clean eyepiece or lens, just use a cleaning cloth gently wipe the test, protect the lens from scratch. Protect the machine from dust and moisture, and store it in a bag or box.

4. **About the adapter**
   The adapter is not included, the user uses the adapter, we recommend using DC 5V 1A .

5. **Can work through windows?**
   Whether or not the IR light it turned on, the device cannot observe objects through windows glass.

6. **Can work in water?**
   Do not use the night vision in water as it will damage the device and the damage will not be covered by the warranty.