NIGHT B-1 v1.0 Night Vision Binoculars

User Manual

Ork Hunter

2026

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1. Product overview

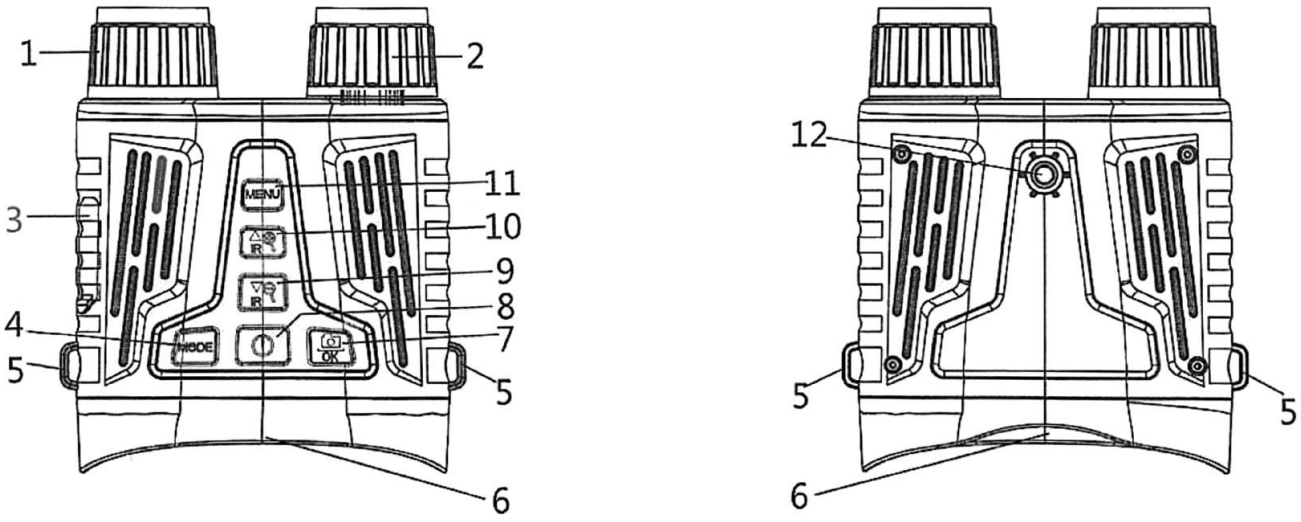


Fig.1. Product overview

1. Lens focus wheel
2. IR LED
3. USB port/charging indicator/reset hole/memory card slot cover
4. Mode Button
5. Strap Hole
6. Eyepiece/Display
7. Shutter/OK button
8. Power Button
9. IR Down/Zoom out/Down Button
10. IR Up/Zoom in/Up Button
11. Menu Button
12. Tripod fixing screw

2. About Charging

The device has a built-in rechargeable battery. Please charge it fully before first use.

Use a universal USB power adapter (DC 5V/2A, not included) to charge the device. While charging, the charging indicator to the left of the Type-C USB port lights red; when charging is complete, the indicator turns off. (If the battery is completely empty, a full charge takes about 4 hours.)

3. Inserting the Memory Card

- Prepare a Class 10 Micro SD card (up to 32 GB) in advance.
- Open the card slot cover (3) to access the card slot.
- Insert the Micro SD card into the slot, making sure it is oriented correctly. Never force the card in.
- Format the Micro SD card to improve card compatibility.
- To remove the card from the memory card slot, gently press the edge of the card inward; the card will pop out. Then remove the card.

Note: If the Micro SD card is not inserted correctly, the device shows the prompt “NO CARD” after power-on, and a card icon with an X appears in the lower right corner. The number of remaining photos or the available recording time at the top right shows 0.

4. Basic Operation

4.1. Turn ON and turn OFF

Press and hold the Power button (8) for 3 seconds to turn the device on. Press and hold it again for 3 seconds to turn it off.

4.2. New and Special Color Effects

The Luminous Green and Infrared light color effects are available in both normal mode and infrared night vision mode.

Steps:

Press and hold the Menu button (11) → Luminous Green color effect.

Press and hold the Menu button again → Infrared light color effect.

Press and hold the Menu button again → return to normal color mode.

4.3. Adjust the display

After turning on the device, press the Menu button to open the menu. If the menu text on the eyepiece/display is not sharp enough, turn the eyepiece diopter adjustment wheel until the menu text is clear, then press the Menu button again to exit the menu. Then turn the focus wheel according to the distance to the observed scene until the image is at its sharpest.

If the light is insufficient or at night, press the IR Up/Zoom in/Up button (10) to turn on the infrared light and select the IR level to suit the conditions: the darker the scene, the higher the level. Press and hold the IR Up/Zoom in/Up button to zoom.

4.4. Changing the modes

The night vision device has 3 modes: photo mode, video mode and playback mode. Press the Mode button (4) to change the mode.

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

4.5. Taking pictures

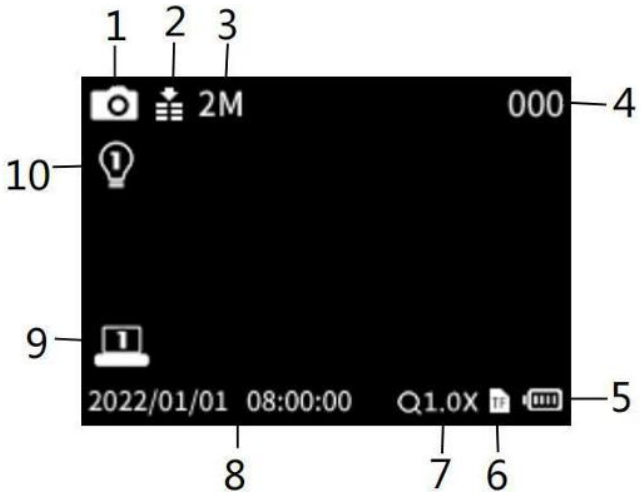


Fig.2. Taking pictures

1. Photo mode
2. Night vision sensitivity
3. Photo resolution
4. Number of photos that can be taken
5. Battery status
6. Micro SD card prompt
7. Digital zoom indication
8. Shooting time stamp
9. Display brightness
10. Infrared light level

- Turn on the device; it starts in Video mode by default. Press the Mode button (4) to switch to Photo mode.
- Zooming: Press and hold the IR Down/Zoom out/Down button (9) or the IR Up/Zoom in/Up button (10) to zoom out or in. The magnification level is shown on the LCD screen.
- To take a still photo:
  - View your subject on the LCD screen.
  - Adjust the focus by turning the focus wheel.
- At night or in insufficient light, turn on the IR by pressing the IR Up/Zoom in/Up button. Press the button repeatedly to increase the IR brightness; there are 7 levels. Adjust the level to suit the conditions: the darker the scene, the higher the level. Press the Shutter/OK button (7) to take a photo.

4.6. Recording Video

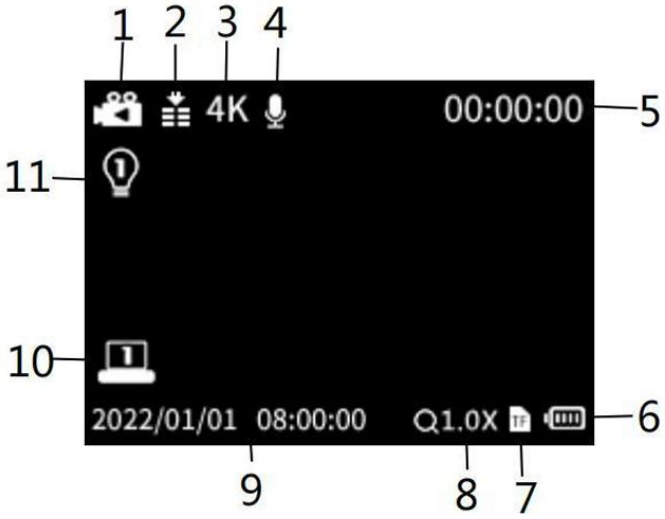


Fig.3. Recording video

1. Video mode
2. Night vision sensitivity
3. Video resolution
4. Recording switch indication
5. Available video recording time
6. Battery status
7. Micro SD card prompt
8. Digital zoom indication
9. Shooting time stamp
10. Display brightness
11. Infrared light level

- Turn on the device; it starts in Video mode by default. If it does not, press the Mode button to switch to Video mode.
- Zooming: Press and hold the IR Down/Zoom out/Down button or the IR Up/Zoom in/Up button to zoom out or in. The magnification level is shown on the LCD screen.
- To record video:
  - View your subject on the LCD screen.
  - Adjust the focus by turning the focus wheel.
- At night or in insufficient light, turn on the IR by pressing the IR Up/Zoom in/Up button. Press the button repeatedly to increase the IR brightness; there are 7 levels. Adjust the level to suit your needs.
  - Press the Shutter/OK button to start recording. The recording duration is shown on the LCD screen.
- To stop recording:
  - Press the Shutter/OK button again to stop recording.
  - The device stops recording automatically when the memory card is full.

4.7. Device cannot be turned on or off

1. If the device is fully charged but cannot be turned on, or the screen freezes during use and the device cannot be turned off, insert a thin, rigid object such as a toothpick or a wire into the RST hole. When you feel resistance, press it, then turn the device on.

2. Use a universal USB power adapter (DC 5V/2A, not included) to charge the device. After the Type-C USB cable is connected, the charging indicator lights red. If the device can be turned on only while the cable is connected and turns off when the cable is unplugged, the built-in battery is empty and must be fully charged.

4.8. Poor image

- In daylight, make sure the IR is off (with the IR on, the screen is black and white).
- At night, make sure the IR is on: press the IR Up button (with the IR on, the screen is black and white). Adjust the brightness to suit your needs.
- Adjust the focus by slowly turning the focus wheel (1) until the image is sharp.

4.9. IR LED (night vision function)

1. Turn the focus wheel according to the actual observation distance until the image is sharp.

2. In photo or video mode, to observe in dark conditions, short press the IR Up button to turn on the IR LED; the image turns black and white. The IR LED has 7 levels: short press the IR Up button to increase the level and the IR Down button to decrease it.

Note: When the battery voltage is low, the IR LED level is reduced automatically: fully charged – up to level 7; 50% charge – up to level 5; 25% charge – up to level 3; below 25% – the IR LED cannot be turned on.

4.10. Settings in photo and video mode

In photo or video mode, press the Menu button to open the menu and change the settings.

Menu	Function
Video Resolution	Set the video resolution. Options: 4K / FHD / HD
Photo Resolution	Set the photo resolution. Options: 36M / 12M / 8M / 5M / 3M / 2M / 1M
Night Vision Sensitivity	Select night vision sensitivity. Options: [Low] / [Middle] / [High]
Screen Brightness	Adjust the screen brightness as required. Options: [Level 1] / [Level 2] / [Level 3] / [Level 4] / [Level 5] / [Level 6] / [Level 7]
Audio	On/Off.
Date Stamp	On/Off.
Date Setting	Set the date and time. Press the Up or Down button to adjust the date or time, then press the Shutter/OK button to finish.
Auto power-off	Set the idle time after which the device powers off automatically to save power. Options: [Off] / [1 min] / [3 min] / [5 min] / [10 min]
Language Setting	Set the on-screen display (OSD) language. Options: [English] / [Traditional Chinese] / [Simplified Chinese] / [Japanese] / [Deutsch] / [Français] / [Russian] / [Italiano] / [Korean] / [Nederlands] / [Español] / [Português]
Flicker	Set the power line frequency to match the local mains supply to prevent flicker. Options: [50 Hz] / [60 Hz]

Format	Format the Micro SD card. Formatting deletes all files, including protected files. Copy any important files before confirming. Options: [OK] / [Cancel]
Reset System	Restore the factory default settings. Options: [OK] / [Cancel]
Version	View the firmware version.

4.11. Playback

- Turn on the device and press the Mode button to switch to playback mode.
- Press the Up/Down button to browse photos and video files.
- Playing back video
  - Press the Shutter/OK button to start playing the selected video.
  - Press the Shutter/OK button again to pause.
  - Press the Menu button to stop playback.

In playback mode, press the Menu button to display the playback menu. Press the Up/Down button to select lock or delete, then press the Shutter/OK button to enter the sub-menu.

Playback menu list:

Menu	Function
Delete	Delete the current file on the memory card. Options: [Yes] / [No]
Delete All	Delete all files on the memory card. Options: [Yes] / [No]
Lock This	Lock the current file on the memory card. Options: [Yes] / [No]
Unlock This	Unlock the current file on the memory card. Options: [Yes] / [No]
Unlock All	Unlock all files on the memory card. Options: [Yes] / [No]

5. Download files to PC

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

1. Insert the memory card into a card reader.

2. Connect the device to a computer with the supplied Type-C USB cable.

6. Using a card reader

1. Remove 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 the files from the card to a folder of your choice on the computer's hard disk.

7. Connecting the device to a PC through the USB cable

1. Turn on the device and connect it to a computer with the supplied Type-C USB cable.

2. Select “Memory” on the device screen and press the Shutter/OK button to enter removable disk mode.

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 device are located in the “DCIM” folder.

4. Copy the photos or files to your computer.

8. Notes on cleaning

Before cleaning the device, disconnect it from the power supply. Clean the exterior only with a dry cloth. To avoid damaging the electronics, do not use any cleaning fluid. Clean the eyepiece and lenses only with a soft, lint-free cloth (e.g. a microfiber cloth), applying only gentle pressure to avoid scratching the lenses. Protect the device from dust and moisture, and store it in a bag or box.

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