

WARMTUYO J50

User Manual

WARMTUYO NIGHT VISION GOGGLES

Model: J50
Brand: WARMTUYO

Introduction

Thank you for choosing the WARMTUYO J50 Night Vision Goggles. This device is designed for enhanced observation in various lighting conditions, from daylight to complete darkness. Featuring 4K video recording, 36MP photo capture, a 3.5-inch HD display, and powerful infrared illumination, it is an ideal tool for outdoor activities, surveillance, and wildlife observation.

This manual provides detailed instructions on how to set up, operate, and maintain your night vision goggles to ensure optimal performance and longevity.

Package Contents

Please verify that all items listed below are included in your package:

- 1 x WARMTUYO Night Vision Goggles (Model J50)
- 1 x Neck Strap
- 1 x 32GB TF Card (pre-installed or separate)
- 1 x Data Cable (USB to Type-C)
- 1 x User Manual (this document)

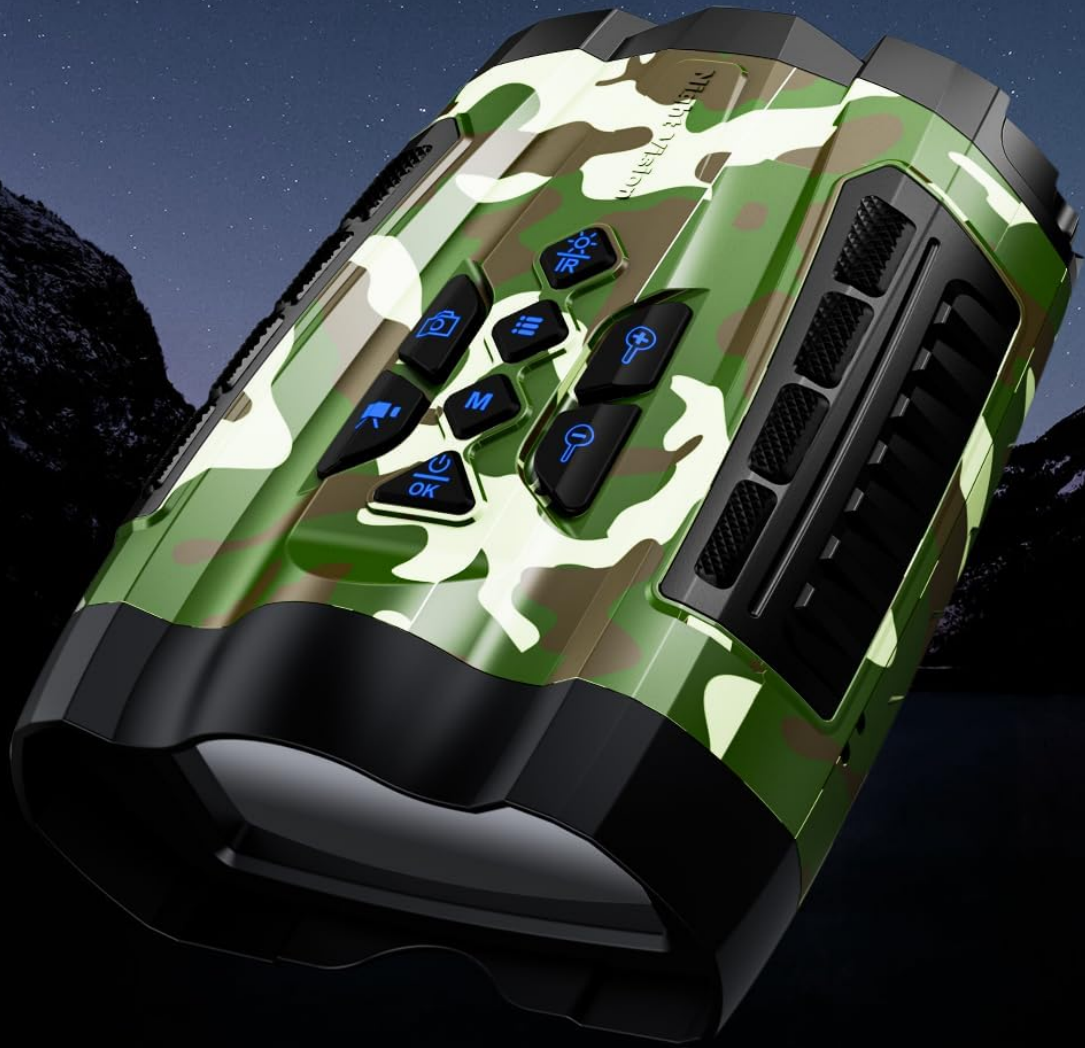
Product Overview

Familiarize yourself with the components and controls of your night vision goggles:



Figure 1: Front view of the WARMTUYO J50 Night Vision Goggles, showing the display screen and control buttons.

CAN SHOOT AND RECORD



4K Video



Day&Night



Playback



36MP Images



9 Levels IR



10X Digital
Zoom



4000mAh
Battery



Up to 256G



IP 54
Waterproof



3.5" Large
Screen

Figure 2: Overview of key features including 4K video, day/night mode, playback, 36MP images, 9 IR levels, 10X digital zoom, 4000mAh battery, 256GB support, IP54 waterproof, and 3.5" large screen.

Controls and Ports:

- **Power Button:** Turns the device on or off.
- **Mode Button:** Switches between Photo, Video, and Playback modes.
- **Menu Button:** Accesses the device settings menu.
- **IR Up/Down Buttons:** Adjusts the infrared illumination level (9 gears).

- **Zoom In/Out Buttons:** Controls the 10X digital zoom.
- **Capture/Record Button:** Takes photos or starts/stops video recording.
- **Manual Focus Wheel:** Located on the side, adjusts focus for clear images.
- **Type-C Charging Port:** For charging the internal battery.
- **TF Card Slot:** For inserting the Micro SD card.
- **Bracket Hole:** For tripod mounting.



Figure 3: Detailed view of the device's ports and slots, including the bracket hole, factory switch, memory card slot, and Type-C charging port.

Setup

1. Charging the Battery:

The device features a built-in 4000mAh rechargeable lithium polymer battery. Before first use, fully charge the device.

- Connect the provided USB Type-C cable to the charging port on the device.
- Connect the other end of the cable to a USB power adapter (not included) or a computer USB port.
- The charging indicator will show the charging status. Once fully charged, the indicator will change (refer to on-screen display or LED indicator if present).
- A full charge provides up to 12 hours of daylight use or 4-10 hours of continuous infrared use, depending on IR gear level.

4000mAh LARGE CAPACITY

Max use 12H



4000mAh

Figure 4: Illustration of the 4000mAh large capacity battery, providing extended usage time.

2. Inserting the TF Card:

A 32GB TF card is included for storing photos and videos. The device supports up to 256GB TF cards.

- Locate the TF card slot on the device.
- Insert the TF card with the gold contacts facing down (or as indicated by the slot diagram) until it clicks into place.
- To remove, gently push the card in until it springs out.

3. Powering On/Off:

- To power on, press and hold the Power button until the screen illuminates.
- To power off, press and hold the Power button again until the screen turns off.

Operating Instructions

1. Mode Selection:

Press the **Mode** button to cycle through the available modes:

- **Photo Mode:** For capturing still images (36MP resolution).
- **Video Mode:** For recording video footage (4K resolution with sound).
- **Playback Mode:** For reviewing captured photos and videos on the 3.5" HD display.

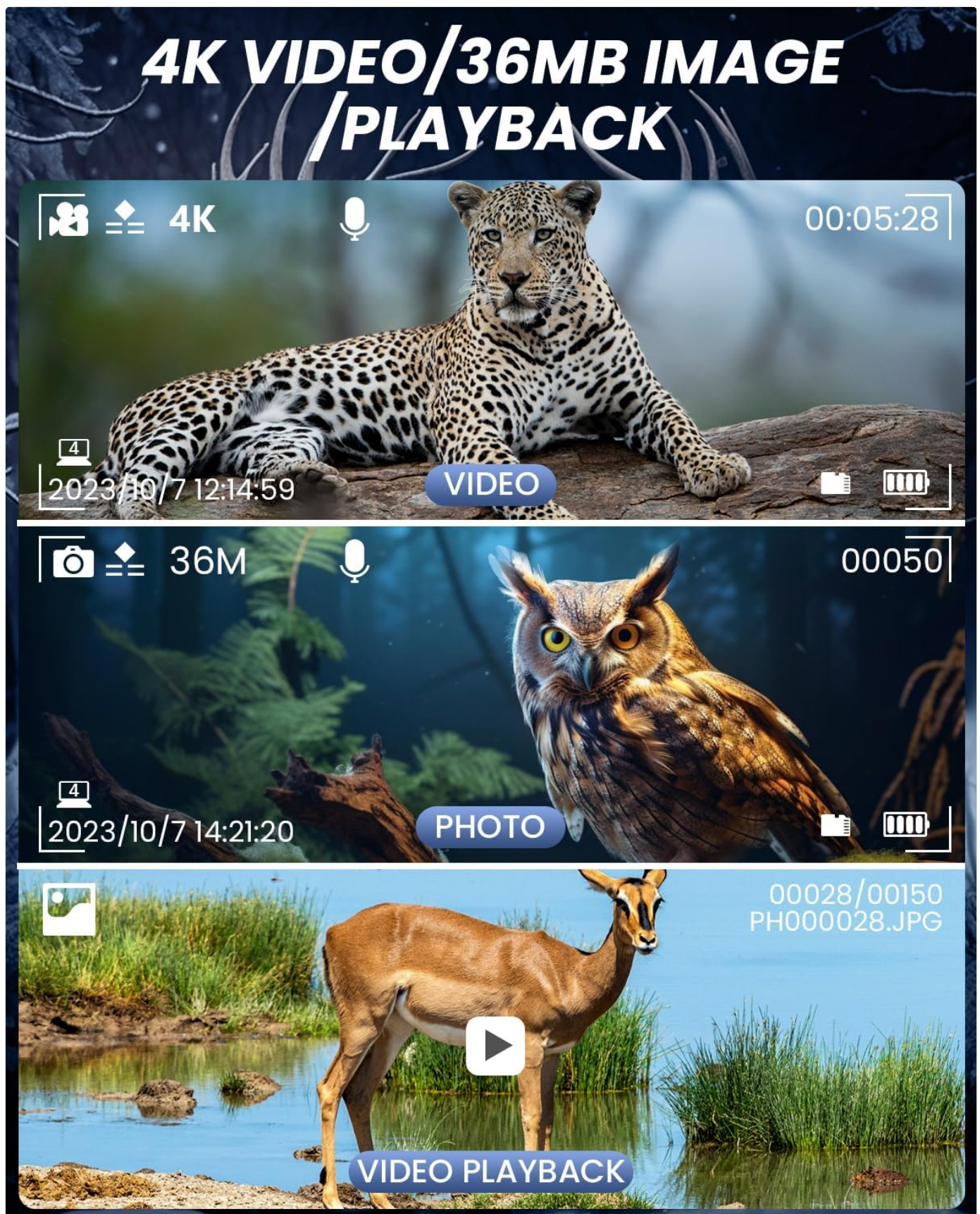


Figure 5: Examples of 4K video, 36MP photo, and video playback on the device's display.

2. Capturing Photos and Videos:

- In Photo Mode, press the **Capture/Record** button once to take a photo.
- In Video Mode, press the **Capture/Record** button once to start recording. Press again to stop recording.

3. Night Vision (IR) Adjustment:

The device features an 850NM infrared illuminator with 9 adjustable gear levels for optimal night vision performance.

- In low light or darkness, press the **IR Up** or **IR Down** buttons to adjust the infrared brightness.
- Higher gear levels provide stronger illumination and brighter images in complete darkness.
- Adjust the IR level based on ambient light conditions for the clearest view.



Figure 6: Demonstration of the 9-gear infrared illuminator, showing varying brightness levels from IR:1 to IR:9.

4. Digital Zoom and Manual Focus:

- Use the **Zoom In/Out** buttons to apply up to 10X digital magnification to your view.

- Rotate the **Manual Focus Wheel** (typically on the side of the device) to achieve a sharp image, especially when observing objects at different distances.



Figure 7: Illustration of the 10X digital zoom capability and the manual focus wheel for clear image acquisition.

5. Playback and Data Transfer:

- In Playback Mode, use the navigation buttons to browse through your captured photos and videos.
- To transfer files to a computer, connect the device using the provided USB Type-C cable. The device will appear as

a removable disk drive.

Maintenance

- **Cleaning:** Use a soft, lint-free cloth to clean the lenses and display. For stubborn smudges, a lens cleaning solution designed for optics can be used sparingly. Do not use abrasive materials or harsh chemicals.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is partially charged (around 50%) to preserve battery health.
- **Water Resistance:** The device is rated IP54 waterproof, meaning it is protected from dust and splashing water from any direction. Avoid submerging the device in water.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge when the battery level is low.

Troubleshooting

Problem	Possible Cause / Solution
Device does not power on.	Battery is depleted. Charge the device fully. Ensure the power button is pressed and held sufficiently.
Image is blurry.	Adjust the manual focus wheel. Clean the objective lens and display.
Night vision is dim or ineffective.	Increase the IR gear level using the IR Up button. Ensure there are no obstructions to the IR illuminator.
Cannot record or save files.	TF card is full. Delete unnecessary files or replace the card. TF card is not inserted correctly or is corrupted. Reinsert or format the card (this will erase all data).
Device freezes or becomes unresponsive.	Perform a soft reset by pressing and holding the power button for 10-15 seconds until it restarts. If issue persists, contact customer support.

Specifications

Feature	Detail
Model Number	J50
Display	3.5" HD TFT Screen
Photo Resolution	Up to 36MP
Video Resolution	Up to 4K
Digital Zoom	10X
Infrared Illuminator	850NM, 9 Gear Adjustment
Battery	Built-in 4000mAh Lithium Polymer
Battery Life	Up to 12 hours (daylight), 4-10 hours (IR mode)
Storage	Supports TF Card up to 256GB (32GB included)
Waterproof Rating	IP54

Feature	Detail
Product Dimensions	6.7 x 5.5 x 0.04 inches
Item Weight	1.38 pounds

Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or contact WARMTUYO directly through their official channels. You can visit the WARMTUYO store on Amazon for more information: [WARMTUYO Amazon Store](#).

Please retain your proof of purchase for any warranty claims.

© 2025 WARMTUYO. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

