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› WARMTUYO J50 4K Night Vision Binoculars with Camera User Manual

WARMTUYO J50

WARMTUYO J50 4K Night Vision Binoculars with Camera

USER MANUAL

Introduction

Thank you for choosing the WARMTUYO J50 4K Night Vision Binoculars. This device is designed to provide clear viewing, photo capture, and video recording capabilities in various lighting conditions, from bright daylight to complete darkness. Featuring a 3.5-inch HD display, 10X digital zoom, and a powerful 850NM IR illuminator with 9 adjustable levels, these binoculars are suitable for outdoor activities such as wildlife observation, hunting, and security surveillance. This manual will guide you through the setup, operation, and maintenance of your new device.

What's in the Box

- 1 x WARMTUYO J50 Night Vision Binoculars
- 1 x Neck Strap
- 1 x 32GB SD Card
- 1 x Data Cable (USB Type-C)
- 1 x User Manual

Product Overview

Familiarize yourself with the main components and controls of your WARMTUYO J50 Night Vision Binoculars.

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\"/>

Figure 1: Top view of the binoculars, highlighting the control panel with buttons for power, mode, menu, IR adjustment, and zoom.



Figure 2: Bottom view of the binoculars, showing the USB-C charging port, SD card slot, master ON/OFF switch, and tripod mount.

- **Control Buttons:** Located on the top surface for easy access to functions like power, mode switching, menu navigation, IR level adjustment, and digital zoom.
- **Objective Lens:** Front-facing lens for capturing images and videos.
- **IR Illuminator:** Integrated 850NM infrared light for enhanced night vision.
- **Eyepiece/Display:** 3.5-inch TFT HD screen for viewing.
- **Focus Wheel:** Located on the bottom for manual focus adjustment.
- **USB-C Port:** For charging the internal battery and data transfer.
- **SD Card Slot:** For inserting the 32GB TF card to store photos and videos.
- **Master ON/OFF Switch:** A physical switch on the bottom to completely power off the device.
- **Tripod Mount:** Standard threaded mount for attaching to a tripod for stable viewing.

Setup

1. Battery Charging

The device comes with a built-in 4000mAh rechargeable battery. Before first use, fully charge the binoculars using the provided USB Type-C data cable and a compatible 5V USB power adapter (not included). The charging indicator will show the charging status.

2. SD Card Installation

A 32GB TF card is included. Locate the SD card slot under the silicone cover on the bottom of the device. Insert the TF card with the gold contacts facing down until it clicks into place. To remove, push the card gently until it springs out.

3. Power On/Off

First, ensure the master ON/OFF switch on the bottom of the device is in the 'ON' position. Then, press and hold the power button on the top control panel to turn the binoculars on. To turn off, press and hold the power button again. For extended storage, switch the master ON/OFF switch to 'OFF'.

4. Tripod Mounting

For stable viewing, especially at high zoom levels or during long observation periods, attach the binoculars to a standard camera tripod using the threaded mount on the bottom of the device.

Operating Instructions

1. Basic Operation

- **Mode Button:** Press the 'MODE' button to switch between Photo, Video, and Playback modes.
- **Menu Button:** Press 'MENU' to access system settings. Use the IR Up/Down buttons to navigate options and 'OK' to select. Press 'MENU' again to exit.
- **Screen Brightness:** Adjust the display brightness via the system settings menu for optimal viewing comfort.
- **Date/Time Setting:** Set the correct date and time in the system settings to ensure accurate timestamps on your recordings.

2. Daytime Use

In Photo or Video mode, the binoculars will automatically display a color image. Use the focus wheel to sharpen the image and the digital zoom buttons to adjust magnification.



Figure 3: The 3.5-inch HD display provides a clear color image during daytime use.

3. Night Vision Use

In low-light or complete darkness, the device automatically switches to black and white night vision mode. Press the 'IR' (Infrared) buttons to activate and adjust the 850NM IR illuminator. There are 9 adjustable IR levels to optimize visibility up to 300 meters.



Figure 4: Adjusting the 9-level IR illuminator to enhance visibility in dark conditions.

4. Photo Capture

In Photo mode, press the 'OK' button to capture a 36MP still image. The image will be saved to the inserted SD card.

5. Video Recording

In Video mode, press the 'OK' button to start recording 4K video with audio. Press 'OK' again to stop recording. Videos are saved to the SD card.

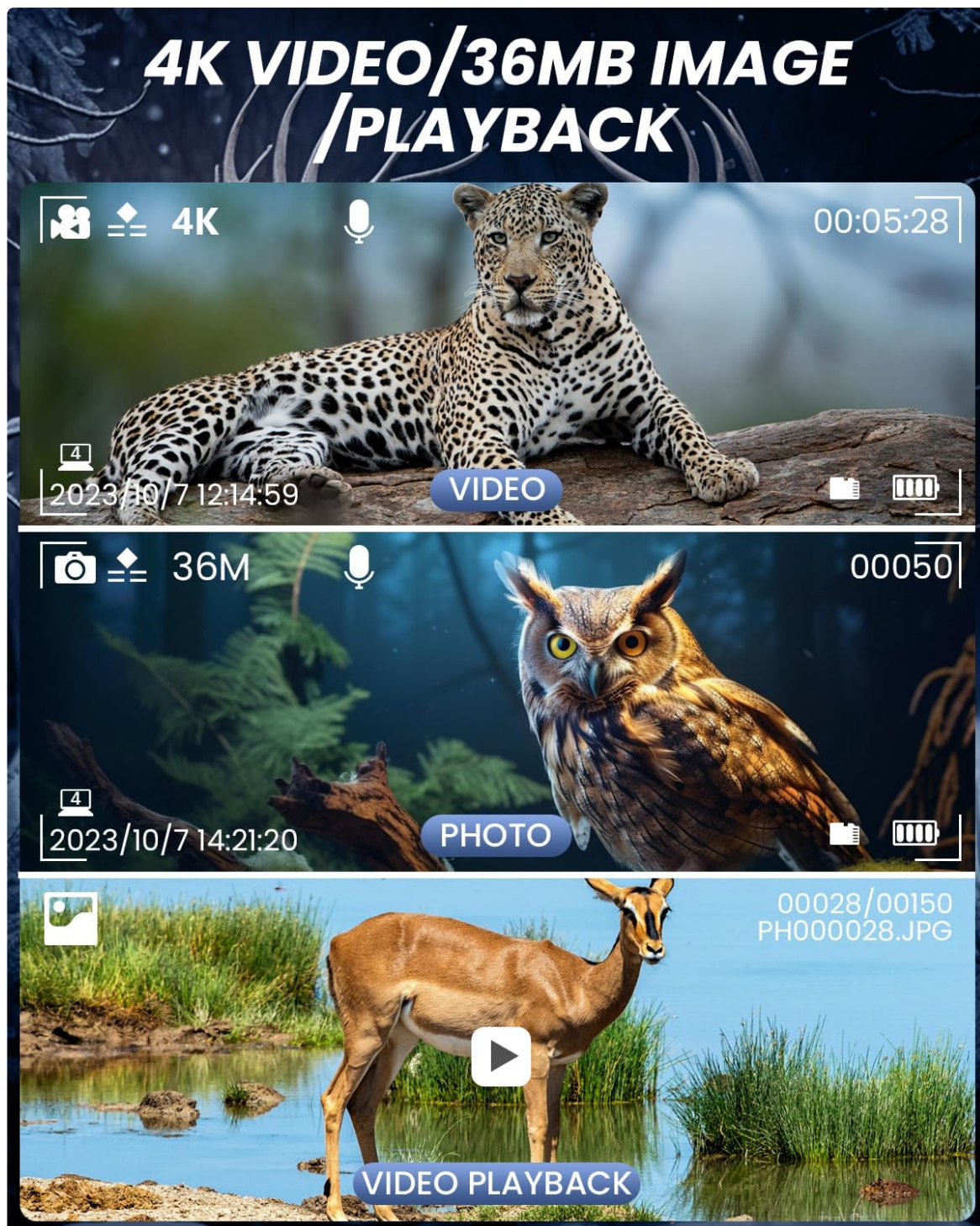


Figure 5: The binoculars support 4K video recording and 36MP photo capture, with instant playback.

6. Playback

Switch to Playback mode using the 'MODE' button. Use the navigation buttons to browse through your captured photos and videos. Press 'OK' to view or play selected media.

7. Digital Zoom & Manual Focus

Use the digital zoom buttons (IR Up/Down when held down) to magnify your view up to 10X. Adjust the focus wheel on the bottom of the device to achieve a sharp image at different distances.

4000 mAh LARGE CAPACITY
Max use 12H



4000mAh

Figure 6: Illustration of 10X digital zoom and the manual focus wheel for clear imaging.

8. Official Product Video: Night Vision Goggles 4K Binoculars with Camera

Your browser does not support the video tag.

Video 1: This video provides a comprehensive overview of the WARMTUYO J50 4K Night Vision Binoculars, demonstrating its features and capabilities in various scenarios.

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 binoculars in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the master ON/OFF switch is set to 'OFF' for long-term storage.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the device regularly, even if not in use, to maintain optimal battery health.

Troubleshooting

- **Device not turning on:** Check if the master ON/OFF switch on the bottom is in the 'ON' position. Ensure the battery is charged.
- **Blurry image:** Adjust the manual focus wheel on the bottom of the device. Ensure lenses are clean.
- **Poor night vision:** Increase the IR brightness level using the IR buttons. Ensure there are no obstructions to the IR illuminator.
- **Cannot record/save:** Check if the SD card is properly inserted and has sufficient free space. The SD card may need to be formatted (via menu settings).
- **Short battery life:** Ensure the device is fully charged. Reduce IR brightness levels or screen brightness to conserve power.

Specifications

Model Number	J50
Product Dimensions	6.7 x 5.5 x 0.04 inches
Item Weight	1.38 pounds
Battery Capacity	4000mAh (built-in, 1 C battery included)
Video Resolution	Up to 4K
Photo Resolution	Up to 36MP
Display	3.5" TFT HD Screen
Digital Zoom	10X
IR Illuminator	850NM, 9 Levels Adjustable
Storage	32GB TF Card (included), supports up to 256GB
Special Features	Focus Knob, High Magnification, Image Stabilization, Night Vision, Tripod Mountable

Warranty and Support

For any questions, technical support, or warranty inquiries regarding your WARMTUYO J50 Night Vision Binoculars, please refer to the contact information provided in your product packaging or visit the official WARMTUYO website. Additional protection plans may be available for purchase to extend coverage beyond the standard warranty.