

## Vtiisamao Z8

# Vtiisamao Night Vision Goggles User Manual

Model: Z8

Brand: Vtiisamao

## 1. INTRODUCTION

Thank you for choosing the Vtiisamao Night Vision Goggles. This manual provides essential information for the safe and effective use of your device. Please read it thoroughly before operation and retain it for future reference.

### 1.1 What's Included

- Night Vision Goggles
- 32GB TF Card
- Type-C Data Cable
- Neck Strap
- User Manual (this document)

## 2. SAFETY INFORMATION

To ensure safe operation and prolong the lifespan of your device, please observe the following precautions:

- Do not look directly at strong light sources (e.g., sun, laser beams) through the device, as this can cause permanent eye damage and damage to the device's sensor.
- Keep the device away from water and moisture. While it has an excellent waterproof rating, avoid submersion.
- Do not expose the device to extreme temperatures or direct sunlight for extended periods.
- Use only the specified charging cable and power source.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel for assistance.
- Keep out of reach of children.

## 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your Night Vision Goggles:



Figure 1: Vtiisamao Night Vision Goggles and included accessories.

### 3.1 Device Components

1. **Objective Lenses:** Capture light for imaging.
2. **IR Illuminator:** Provides infrared light for night vision.
3. **Tactical Flashlight:** Integrated light source for illumination.
4. **Display Screen (3" LCD):** For viewing images and videos.
5. **Control Buttons:** OK, MENU, MODE, IR+, IR- (refer to Section 4 for functions).
6. **Manual Focus Wheel:** Adjusts focus for clear viewing.
7. **Type-C Port:** For charging and data transfer.
8. **TF Card Slot:** For inserting the memory card.
9. **Tripod Mount (1/4-inch):** For stable, hands-free operation.

## 4. SETUP

### 4.1 Charging the Battery

The device is equipped with a built-in 5000mAh Li-ion rechargeable battery. Before first use, fully charge the battery.

1. Connect the provided Type-C data cable to the device's Type-C port.
2. Connect the other end of the cable to a USB power adapter (not included) or a computer's USB port.
3. The charging indicator will show the charging status. Once fully charged, the indicator will change (refer to device display for specific icon).

### 4.2 Inserting the TF Card

A 32GB TF card is included for storing photos and videos.

1. Locate the TF card slot on the device.
2. Insert the 32GB TF card into the slot with the metal contacts facing down, until it clicks into place.
3. To remove, gently push the card until it pops out.

### 4.3 Powering On/Off

- **To Power On:** Press and hold the Power button (usually labeled with a power icon) for a few seconds until the screen illuminates.
- **To Power Off:** Press and hold the Power button again until the screen turns off.

## 5. OPERATION

### 5.1 Basic Controls

- **OK Button:** Confirms selections in menus, takes photos, or starts/stops video recording.
- **MENU Button:** Accesses the device's settings menu.
- **MODE Button:** Switches between Photo, Video, and Playback modes.
- **IR+ Button:** Increases the Infrared (IR) illuminator level.
- **IR- Button:** Decreases the Infrared (IR) illuminator level.

### 5.2 Adjusting IR Levels

The device features 9 adjustable infrared illuminator levels to optimize visibility in varying low-light conditions.

## 9 ADJUSTABLE LEVEL IR

Short press [IR+] button to up the level,  
short press [IR-] button to down the level.



Figure 2: Adjusting Infrared (IR) levels for optimal night vision.

- In observation mode, press the **IR+** button to increase the IR intensity.
- Press the **IR-** button to decrease the IR intensity.
- Higher IR levels provide brighter images in complete darkness but consume more battery.

### 5.3 Digital Zoom and Manual Focus

The device offers 10x digital zoom and a manual focus wheel for clear observation.



Figure 3: Digital Zoom and Manual Focus Wheel.

- **Digital Zoom:** Use the zoom buttons (often integrated with IR+ and IR- or separate dedicated buttons) to digitally magnify the image up to 10 times.
- **Manual Focus:** Turn the manual focus wheel located on the side of the device to achieve a sharp image based on the distance to your subject.

## 5.4 Photo and Video Capture

Capture high-definition photos (60MP) and videos (5K HD) in various lighting conditions.

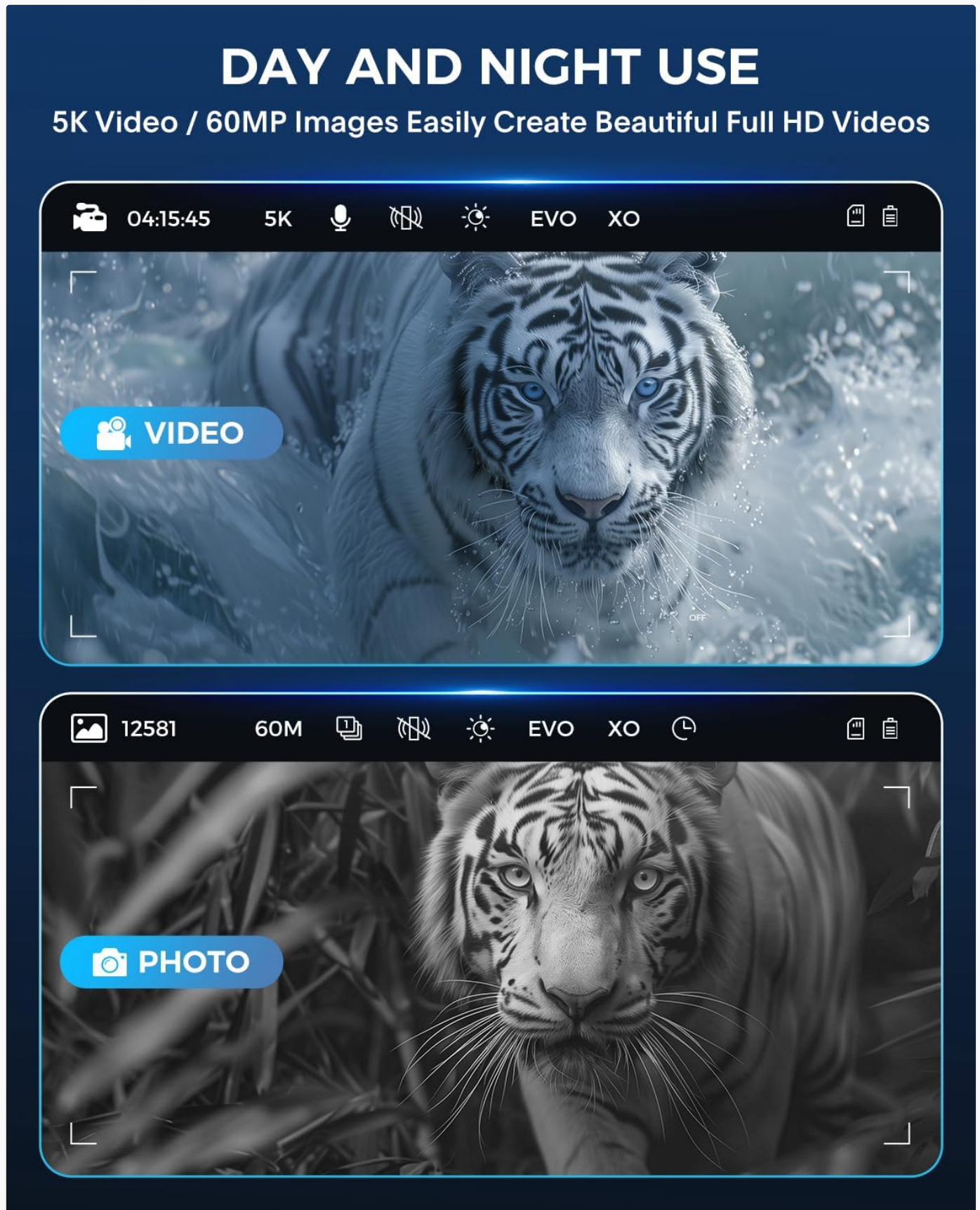


Figure 4: Day and Night Use with 5K Video and 60MP Image Capture.

- Press the **MODE** button to switch between Photo mode and Video mode.
- In Photo mode, press the **OK** button to take a picture.
- In Video mode, press the **OK** button to start recording. Press **OK** again to stop recording.

## 5.5 Playback Mode

Review your captured photos and videos directly on the device's 3-inch LCD screen.

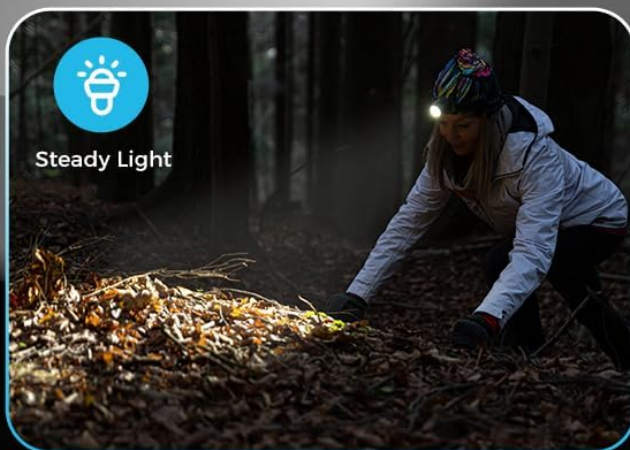
- Press the **MODE** button until you enter Playback mode.
- Use the navigation buttons (often IR+ and IR- or dedicated arrow keys) to browse through your files.
- Press the **OK** button to view a photo or play a video.
- Press the **MENU** button to exit playback or access playback options (e.g., delete).

## 5.6 Tactical Flashlight

The integrated tactical flashlight provides additional illumination when needed.

# EXCLUSIVE TACTICAL FLASHLIGHT

Equipped with a flashlight that can be used for illumination, making you safer at night



Steady Light



Flashlight

Figure 5: Exclusive Tactical Flashlight in operation.

- To activate the tactical flashlight, locate its dedicated button (if available) or refer to the device's on-screen menu for flashlight control.
- The flashlight can be used independently or in conjunction with night vision for enhanced visibility in specific situations.

## 5.7 Additional Features

The Vtiisamao Night Vision Goggles include several advanced functionalities:



Figure 6: High Definition, Multi-Function Display.

- **Picture-in-Picture:** Allows for a magnified view of a specific area within the main display.
- **Compass Function:** Provides directional information on the display.
- **Anti-shake Design:** Helps stabilize images and videos, especially during movement.
- **Waterproof Rating:** Designed to withstand tough environments.

- **Tripod Compatibility:** Standard 1/4-inch tripod mount for stable, hands-free use.

## 6. MAINTENANCE

### 6.1 Cleaning

- **Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surface. Do not use abrasive materials or harsh chemicals.
- **Body:** Wipe the device body with a soft, damp cloth. Avoid getting water into ports or openings.

### 6.2 Battery Care

- Charge the battery regularly, even if the device is not in use, to maintain battery health.
- Avoid completely draining the battery before recharging.
- Do not expose the battery to extreme heat or cold.

### 6.3 Storage

- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the battery is partially charged (around 50%) to prevent deep discharge.
- Use the provided neck strap for secure carrying to prevent accidental drops.

## 7. TROUBLESHOOTING

If you encounter issues with your device, refer to the following common problems and solutions:

| Problem                            | Possible Cause                             | Solution                                                                                                      |
|------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Device does not power on.          | Battery is depleted.                       | Charge the battery fully using the Type-C cable.                                                              |
| Image is blurry.                   | Focus is not adjusted correctly.           | Adjust the manual focus wheel until the image is clear.                                                       |
| Poor night vision performance.     | IR illuminator level is too low.           | Increase the IR level using the IR+ button. Ensure IR illuminator is not obstructed.                          |
| Cannot save photos/videos.         | TF card is full or not inserted correctly. | Check TF card insertion. Delete old files or replace with a new card. Format the TF card via the device menu. |
| Device freezes or is unresponsive. | Temporary software glitch.                 | Press and hold the Power button to force a shutdown, then restart the device.                                 |

If the problem persists after trying these solutions, please contact customer support.

## 8. SPECIFICATIONS

Detailed technical specifications for the Vtiisamao Night Vision Goggles Model Z8:

| Feature                 | Specification                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number            | Z8                                                                                                                                               |
| Brand                   | Vtiisamao                                                                                                                                        |
| Image Resolution        | Up to 60 Megapixels (60MP)                                                                                                                       |
| Video Resolution        | Up to 5K HD                                                                                                                                      |
| Digital Zoom            | 10X                                                                                                                                              |
| Infrared (IR) Levels    | 9 Levels Adjustable                                                                                                                              |
| Display Screen          | 3-inch Large LCD                                                                                                                                 |
| Objective Lens Diameter | 25 Millimeters                                                                                                                                   |
| Battery Type            | 5000mAh Li-ion Rechargeable Battery                                                                                                              |
| Charging Port           | Type-C                                                                                                                                           |
| Storage                 | Supports TF Card (32GB included)                                                                                                                 |
| Item Weight             | 1 pound                                                                                                                                          |
| Package Dimensions      | 7.32 x 5.63 x 2.87 inches                                                                                                                        |
| Special Features        | High Magnification, Lightweight, Night Vision, Portable, Tripod Mountable, Tactical Flashlight, Picture-in-Picture, Compass Function, Anti-shake |

## 9. WARRANTY AND SUPPORT

Vtiisamao is committed to providing high-quality products. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or contact Vtiisamao customer service through the official website or your point of purchase. Please have your model number (Z8) and purchase details ready when contacting support.

© 2024 Vtiisamao. 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**