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ESSLNB 3.6-10.8X31mm

ESSLNB Night Vision Binoculars User Manual

Model: 3.6-10.8X31mm Infrared Digital Night Vision Goggles

1. INTRODUCTION

Thank you for choosing the ESSLNB Night Vision Binoculars. This device is designed for observation in complete darkness, offering high-definition imaging and video recording capabilities. It is suitable for various applications including night hunting, surveillance, wildlife observation, and outdoor adventures.

This manual provides detailed instructions on the setup, operation, maintenance, and troubleshooting of your night vision binoculars. Please read this manual thoroughly before using the device to ensure proper operation and to maximize its performance and lifespan.

2. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- ESSLNB Night Vision Binoculars
- Carrying Case
- AV Cable
- USB Cable
- 64GB TF Card
- 8 x AA Batteries
- Power Bank Holder
- User Manual (this document)

3. PRODUCT OVERVIEW

The ESSLNB Night Vision Binoculars feature a robust design with advanced optical and digital components for night vision performance.



Figure 3.1: Front view of the ESSLNB Night Vision Binoculars. The integrated LCD screen displays a clear image of an animal in its natural habitat, demonstrating the device's observational capabilities. Key controls for zoom, IR, mode, and snap are visible on the top surface.

Key Features:

- **High-Definition Imaging:** 1920x1080 HD image and video recording with a high-sensitivity CMOS Sensor.
- **Integrated Display:** Built-in 3-inch LCD display, convertible to a 4-inch large viewing screen via a convex lens.
- **Powerful Infrared Illuminator:** 5W 850nm IR LED for observation up to 984ft (300m) in total darkness. Adjustable 5 IR levels (up to 7 with external power bank).
- **Optical Zoom:** 3.6-10.8X optical magnification with 3X digital zoom for a wide field of view.
- **Storage:** Supports 8GB to 128GB TF Card (64GB card included).
- **Power Options:** Operates on 8 AA batteries (included) or a 5V/2A power bank (not included). Includes a power bank holder.
- **Connectivity:** USB port for PC connection and AV port for TV connection.
- **Durable Design:** Rubber armor for secure grip, sealed and nitrogen-filled to prevent moisture and dust. Features a threaded tripod mount.

4. SETUP AND INITIAL USE

4.1 Battery Installation

1. Locate the battery compartment on the device.
2. Open the battery compartment cover.
3. Insert 8 AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

Note: The device can also be powered by a 5V/2A power bank using the included power bank holder and USB cable. This can extend operational time and potentially enhance IR performance.

4.2 TF Card Insertion

1. Locate the TF card slot, typically protected by a rubber flap.
2. Gently insert the 64GB TF card (included) into the slot until it clicks into place. Ensure the card is oriented correctly.
3. To remove, gently push the card inward until it springs out.

The device supports TF cards from 8GB to 128GB.

4.3 IR-Filter Cap Usage

The device is equipped with an IR-filter cap. This cap should be **covered** when operating the device in **bright light conditions** to protect the sensor. **Remove** the cap when operating in **dark conditions** to allow the infrared light to function effectively.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To power on, press and hold the **Power button** (usually centrally located) until the LCD screen illuminates.
- To power off, press and hold the **Power button** again until the screen turns off.

5.2 Adjusting Focus and Zoom

- Use the **focus wheel** (typically located near the objective lens) to achieve a clear image.
- Utilize the **ZOOM buttons** (often labeled with '+' and '-') to adjust the magnification. The device offers 3.6-10.8X optical zoom and 3X digital zoom.

5.3 Infrared (IR) Illumination

- In low light or complete darkness, press the **IR button** to activate the infrared illuminator.
- Repeatedly press the **IR button** to cycle through the 5 available IR intensity levels. Higher levels provide greater illumination range.
- When using an external power bank, up to 7 IR levels may be available.

5.4 Photo and Video Recording

- Press the **MODE button** to switch between photo mode, video mode, and playback mode.
- In photo mode, press the **SNAP button** to capture a still image.
- In video mode, press the **SNAP button** to start recording. Press again to stop recording.

5.5 Playback Function

- In playback mode (selected via **MODE button**), use the navigation buttons (if available, or ZOOM buttons) to browse through captured photos and videos.

- Press the **SNAP** button to view or play a selected file.

5.6 Connecting to External Devices

- **PC Connection:** Use the provided USB cable to connect the binoculars to your computer. The device will appear as a removable disk, allowing you to transfer photos and videos.
- **TV Connection:** Use the provided AV cable to connect the binoculars to a television. This allows for real-time viewing on a larger screen or playback of recorded media.

6. MAINTENANCE AND CARE

- **Cleaning Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses. Avoid using abrasive materials or harsh chemicals.
- **Cleaning Body:** Wipe the body of the binoculars with a soft, damp cloth. Do not immerse the device in water.
- **Storage:** Store the binoculars in the provided carrying case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Protection:** The device is sealed and nitrogen-filled to prevent moisture and dust. Avoid opening the device, as this may compromise its integrity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries; incorrect battery installation.	Replace batteries with fresh ones; ensure correct polarity. Try external power bank.
Image is blurry or unclear.	Improper focus adjustment; dirty lenses.	Adjust the focus wheel; clean the objective and eyepiece lenses.
No image in dark conditions.	IR illuminator not activated or set to low level; IR-filter cap is on.	Activate IR or increase IR level; remove the IR-filter cap.
Cannot record photos/videos.	TF card full or not inserted correctly; device not in correct mode.	Check TF card capacity and reinsert; format TF card if necessary; ensure device is in photo or video mode.
Device not recognized by PC.	Faulty USB cable; incorrect connection.	Try a different USB port or cable; ensure the device is powered on when connected.

8. SPECIFICATIONS

Feature	Detail
Model	3.6-10.8X31mm Night Vision Binoculars
Image Resolution	1920x1080 HD
Display	3" LCD (converts to 4" with convex lens)
Infrared Illuminator	5W 850nm IR LED

Feature	Detail
Observation Range (Full Dark)	Up to 984ft (300m)
Optical Magnification	3.6-10.8X
Digital Zoom	3X
Objective Lens Diameter	31mm
Storage Media	TF Card (8GB-128GB, 64GB included)
Power Source	8 x AA Batteries (included) or 5V/2A Power Bank (not included)
Connectivity	USB, AV Out
Item Weight	3.23 pounds
Package Dimensions	9.61 x 8.03 x 3.74 inches

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in your package or contact ESSLNB customer service through the official website or your point of purchase. Please retain your proof of purchase for warranty claims.

For further assistance, you may visit the ESSLNB Store on Amazon:[ESSLNB Store](#)

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Related Documents - 3.6-10.8X31mm

 ESSLNB Zoom binoculars 13-39x70	<p>ESSLNB 13-39x70 Zoom Binoculars User Guide</p> <p>A comprehensive guide on how to use and care for your ESSLNB 13-39x70 Zoom Binoculars, including instructions for IPD adjustment, focusing, lens care, and phone adapter installation.</p>
 ESSLNB 360x70mm ASTRONOMICAL TELESCOPE	<p>ESSLNB 360x70mm Astronomical Telescope Instruction Manual</p> <p>Comprehensive instruction manual for the ESSLNB 360x70mm astronomical telescope, covering assembly, usage, finderscope adjustment, specifications, and care.</p>

 INSTRUCTION MANUAL	<p>ESSLNB 700x70mm Astronomical Telescope Instruction Manual</p> <p>Comprehensive instruction manual for the ESSLNB 700x70mm astronomical telescope, covering assembly, usage, magnification, and maintenance for optimal celestial viewing. Includes detailed steps and safety warnings.</p>
<p>Intelligent Infrared Night Vision Binoculars</p>  Instructions	<p>Intelligent Infrared Night Vision Binoculars: User Manual & Specifications</p> <p>Comprehensive instructions and specifications for the WARMUYO Intelligent Infrared Night Vision Binoculars, covering setup, operation, features, and technical details.</p>
 Any questions please contact us	<p>Bifevsr 4K Digital Camera Quick Start Guide</p> <p>Comprehensive quick start guide for the Bifevsr DC202AF-4K digital camera. Learn how to install the battery and SD card, charge the device, format the SD card, take photos and videos, and use the viewfinder. Includes essential operational steps for this 48MP, 16X zoom vlogging camera.</p>
 BRESSER Digital Night Vision Binoculars 3.5x Monochrome with Recording Art. No. 1877491	<p>BRESSER Digital Night Vision Binoculars 3.5x Monochrome with Recording - User Manual</p> <p>User manual for the BRESSER Digital Night Vision Binoculars 3.5x Monochrome with recording (Art. No. 1877491). Provides detailed instructions on setup, operation, safety precautions, maintenance, and troubleshooting.</p>