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› ZQFEE NVC800 Night Vision Binoculars User Manual

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Model: NVC800

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your ZQFEE NVC800 Head-Mounted Night Vision Binoculars. The NVC800 is a 4K UHD digital telescope camera designed for enhanced visibility in low-light and complete darkness conditions, featuring 16X digital zoom and 48MP photo resolution. Please read this manual thoroughly before operating the device and retain it for future reference.



Image 1.1: ZQFEE NVC800 Night Vision Binoculars. This image displays the front-top view of the binoculars, highlighting the control buttons, lenses, and eyepieces, along with "WiFi" and "4K ULTRA HD" indicators.

2. SAFETY INFORMATION

- Do not look directly at strong light sources, such as the sun, through the device, as this may cause permanent eye damage.
- Keep the device away from water and moisture. This device is not waterproof unless specified.
- Avoid dropping or subjecting the device to severe impacts.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel for assistance.
- Use only the specified charging cable and power adapter to charge the built-in battery.
- Store the device in a cool, dry place when not in use.
- Operating temperature range: -5°C to +50°C. Do not expose the device to extreme temperatures.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact your retailer.

- ZQFEE NVC800 Night Vision Binoculars
- USB Charging Cable
- Head Strap/Mount
- User Manual
- Cleaning Cloth
- Carrying Case (may vary by package)

4. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components and controls of your NVC800 binoculars.

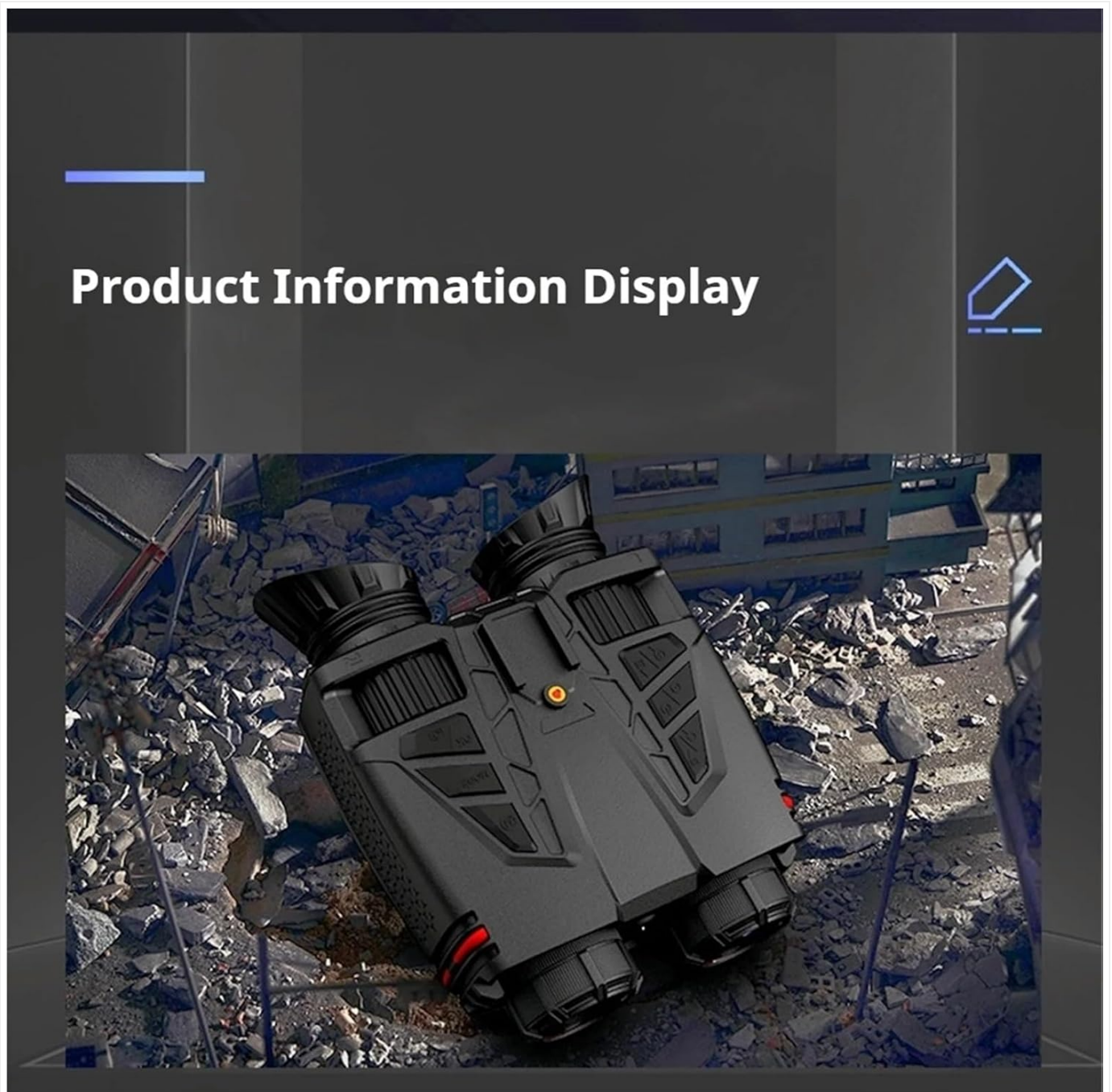


Image 4.1: Product Information Display. This image shows the NVC800 binoculars from a top-down perspective, highlighting its robust design and control layout.

Key Components:

- **Objective Lenses:** Front lenses for light collection.
- **Eyepieces:** Adjustable for comfortable viewing.
- **Control Buttons:** Power, Mode, Zoom, IR, Menu, Record/Capture.
- **Infrared Illuminator:** For enhanced vision in complete darkness.
- **Display Screen:** Internal 1.3-inch HD TFT screens (2 pcs) for viewing.
- **USB-C Port:** For charging and data transfer.
- **MicroSD Card Slot:** For storage of photos and videos.

5. SETUP

5.1 Charging the Battery

The NVC800 features a built-in 3000mAh rechargeable lithium battery. Before first use, fully charge the device.

1. Connect the provided USB charging cable to the USB-C port on the binoculars.
2. Connect the other end of the cable to a compatible USB power adapter (not included) or a computer USB port.
3. The charging indicator light will illuminate. Once fully charged, the indicator will change or turn off.

5.2 Inserting a MicroSD Card

A MicroSD card (not included) is required to store photos and videos.

1. Locate the MicroSD card slot on the device.
2. Gently insert the MicroSD card with the contacts facing down until it clicks into place.
3. To remove, gently press the card until it springs out.

5.3 Installation and Wearing Methods

The NVC800 can be used handheld, head-mounted, or with a tripod.

3 Installation And Wearing Methods

Can be handheld, or used with a helmet, or with a tripod.



Image 5.1: Installation and Wearing Methods. This image illustrates how the binoculars can be used handheld, connected to a helmet mount, or attached to a tripod for stable viewing.

- **Handheld Use:** Simply hold the binoculars firmly with both hands for observation.
- **Head-Mounted Use:** Attach the binoculars to the provided head strap or a compatible helmet mount. Adjust the straps for a secure and comfortable fit, ensuring the eyepieces align with your eyes.
- **Tripod Mounting:** The binoculars feature a standard tripod screw hole. Mount the device onto a tripod for extended, stable observation, especially when using high zoom levels.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- **Power On:** Press and hold the Power button until the display illuminates.
- **Power Off:** Press and hold the Power button until the display turns off. The device also features an automatic shutdown function (Off/1min/3min, configurable in settings).

6.2 Day/Night Dual Use

The NVC800 is designed for both daytime and nighttime observation.



Image 6.1: Day/Night Dual Use. This image compares a daytime color view of a deer with a nighttime black and white infrared view, demonstrating the device's versatility.

- **Daytime Mode:** The device captures color images and videos in well-lit conditions.
- **Nighttime Mode:** In low light or darkness, the device automatically switches to black and white imaging. The built-in infrared illuminator can be activated for complete darkness, providing visibility up to 800m.

6.3 Infrared Night Vision Function

Activate the infrared (IR) illuminator for clear vision in complete darkness.

Infrared Night Vision Function



Freely adjustable infrared fill light, even at night
Can clearly record, ensuring complete collection on site



Scientific
observation



Guard patrol



Outdoor
Adventure



Wild camping

Image 6.2: Infrared Night Vision Function. This image shows four scenarios (scientific observation, guard patrol, outdoor adventure, wild camping) where the infrared function provides clear visibility in dark environments.

- Press the IR button to cycle through different IR intensity levels (e.g., Off, Level 1, Level 2, Level 3).
- Adjust the IR level based on ambient light conditions and desired observation distance. Higher IR levels consume more battery.

6.4 Zoom Function

The NVC800 features up to 16X digital zoom.

- Use the Zoom In (+) and Zoom Out (-) buttons to adjust the magnification.
- Note that digital zoom may reduce image quality at higher magnifications.

6.5 Photo and Video Capture

- **Taking Photos:** In observation mode, press the Photo/Record button once to capture a still image.
- **Recording Videos:** In observation mode, press and hold the Photo/Record button to start video recording. Press

again to stop recording.

- Captured media is saved to the inserted MicroSD card.

6.6 Menu Navigation and Settings

Press the Menu button to access device settings. Use the navigation buttons (e.g., Up/Down, Left/Right, OK) to browse and select options.

- **Resolution:** Adjust photo (48M, 36M, etc.) and video (4K, FHD, HD) resolutions.
- **Automatic Shutdown:** Set the idle time before the device powers off (1 min, 3 min, Off).
- **Date/Time:** Set the current date and time.
- **Language:** Select your preferred language.
- **Format SD Card:** Format the MicroSD card (this will erase all data).

6.7 WiFi Connectivity

The NVC800 supports WiFi connectivity for sharing media.

1. Enable WiFi in the device settings.
2. On your smartphone or tablet, search for the NVC800's WiFi network and connect to it.
3. Use the dedicated mobile application (refer to product packaging or manufacturer website for app details) to view live feed, transfer files, and control the device remotely.

7. MAINTENANCE

- **Cleaning Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the objective lenses and eyepieces. Do not use abrasive materials or harsh chemicals.
- **Cleaning Body:** Wipe the device body with a soft, damp cloth. Avoid getting moisture into ports or openings.
- **Storage:** When not in use for extended periods, store the binoculars in their carrying case in a cool, dry environment. Ensure the battery is partially charged (around 50%) before long-term storage to prolong battery life.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge the battery regularly, even if the device is not in active use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Charge the battery fully.
Image is blurry or unclear.	Lenses are dirty; Focus is not adjusted; Digital zoom too high.	Clean the lenses; Adjust the focus; Reduce digital zoom.
Cannot record photos/videos.	No MicroSD card inserted; MicroSD card is full or corrupted.	Insert a MicroSD card; Delete files or format the card (backup data first).
WiFi connection issues.	WiFi not enabled; App not installed or updated.	Enable WiFi in settings; Ensure the mobile app is correctly installed and updated.

Problem	Possible Cause	Solution
Infrared illuminator not working.	IR function is off or set to low intensity.	Press the IR button to cycle through intensity levels.

9. SPECIFICATIONS

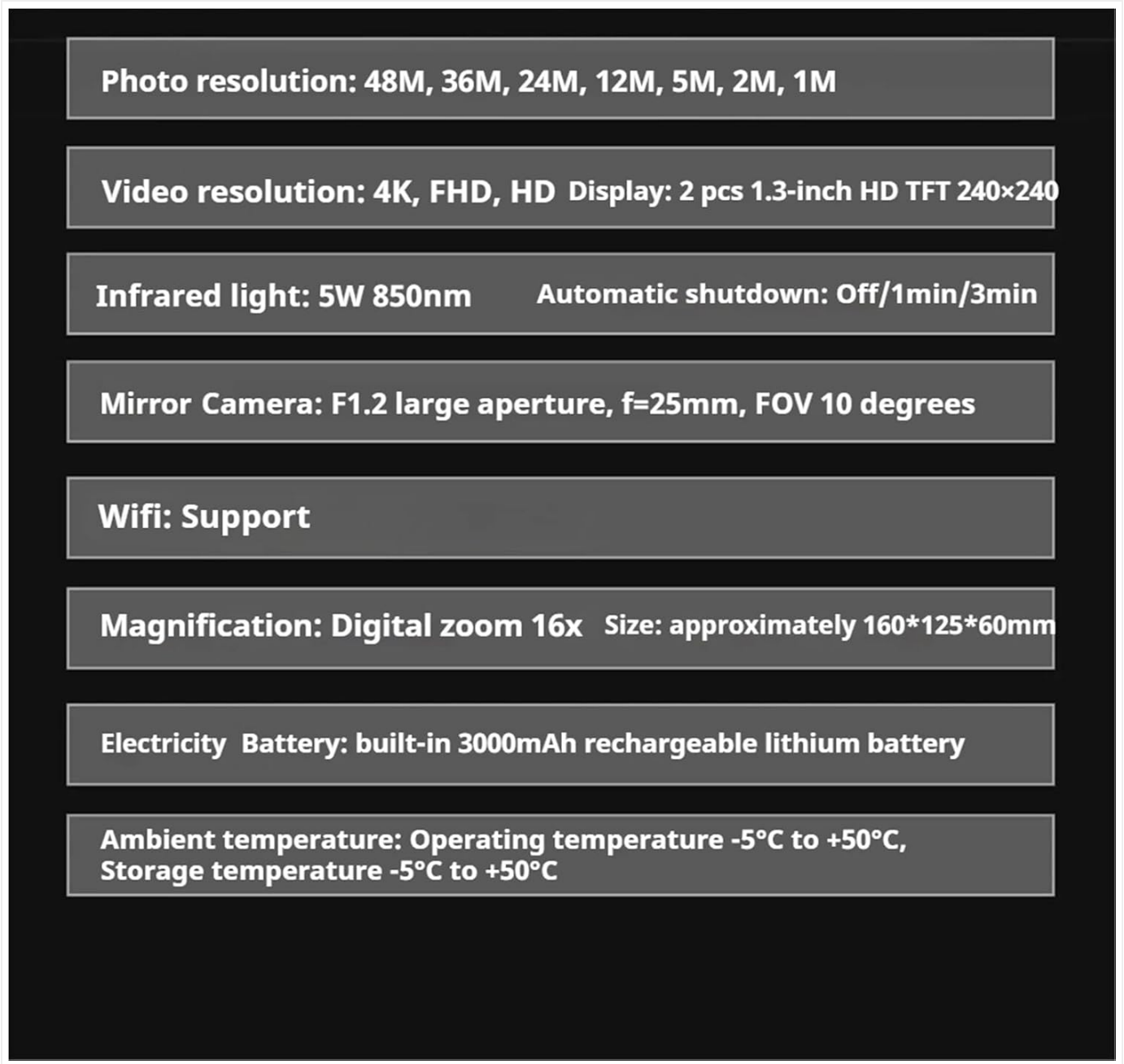


Image 9.1: Product Specifications. This image provides a visual summary of the NVC800's technical details, including resolution, infrared capabilities, and power.

Feature	Detail
Model Number	NVC800
Photo Resolution	48MP, 36MP, 24MP, 12MP, 5MP, 2MP, 1MP
Video Resolution	4K, FHD, HD

Feature	Detail
Display	2 pcs 1.3-inch HD TFT (240x240)
Infrared Light	5W 850nm
Automatic Shutdown	Off/1min/3min
Mirror Camera	F1.2 large aperture, f=25mm, FOV 10 degrees
WiFi Support	Yes
Magnification	Digital zoom 16x
Dimensions	Approximately 160 x 125 x 60 mm
Battery	Built-in 3000mAh rechargeable lithium battery
Operating Temperature	-5°C to +50°C
Storage Temperature	-5°C to +50°C
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Weight	1.2 kg

10. WARRANTY AND SUPPORT

ZQFEE products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official ZQFEE website. Please have your model number (NVC800) and purchase date available when contacting support. For the latest information and updates, please visit:www.zqfee.com (Note: This is a placeholder URL as no official website was provided.)

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