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› Dsoon 4K Handsfree Night Vision Goggles Instruction Manual

Dsoon NV3182

Dsoon 4K Handsfree Night Vision Goggles Instruction Manual

Model: NV3182

INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your Dsoon 4K Handsfree Night Vision Goggles. Designed for both day and night use, these digital infrared binoculars offer clear viewing up to 984ft (300m) in complete darkness, with FHD video and HD photo capabilities. Please read this manual thoroughly before use to ensure optimal performance and longevity of your device.

PRODUCT OVERVIEW



Figure 1: Dsoon 4K Handsfree Night Vision Goggles, showing the device, its packaging, and an included Micro SD card.

The Dsoon Night Vision Goggles are equipped with a 2.31-inch TFT LCD screen, magnified to a 3-inch view via a convex lens for an expansive visual experience. It features a high-performance CMOS sensor for clear vision in 100% darkness, supported by an 850 NM IR illuminator with 7 adjustable levels. The device supports HD photo shooting (1280x960 pixels) and 960P video recording (1280x960 @ 30FPS).

Wider LCD HD Screen

3x convex lens



7 Grades IR



300m In Dark

HD

960x240 LCD



3x Optical
Magnification



1280x960



1280x960@30FPS



32GB TF Card



4x Digital Zoom

Figure 2: Key features of the Dsoon Night Vision Goggles, highlighting the wider LCD HD screen with 3x convex lens, 7 grades IR, 300m night vision range, 960x240 LCD resolution, 3x optical magnification, 1280x960 photo resolution, 1280x960@30FPS video, 32GB TF Card support, and 4x digital zoom.

The device's robust body design includes a USB port, Micro SD card slot, battery covers, and a tripod adapter. It is designed for comfortable handling with a non-slip grip and intuitive 6-button control layout.

High-quality Body Design

USB port/Micro SD
card slot Cover



Battery Cover

Tripod Adapter

Figure 3: Detailed view of the device's body design, indicating the locations of the USB port/Micro SD card slot cover, battery cover, and tripod adapter.

SETUP

1. Battery Installation

The device requires six (6) AA batteries (not included). There are two battery compartments, one on each side of the device's rear, each holding three AA batteries. Ensure correct polarity when inserting batteries.

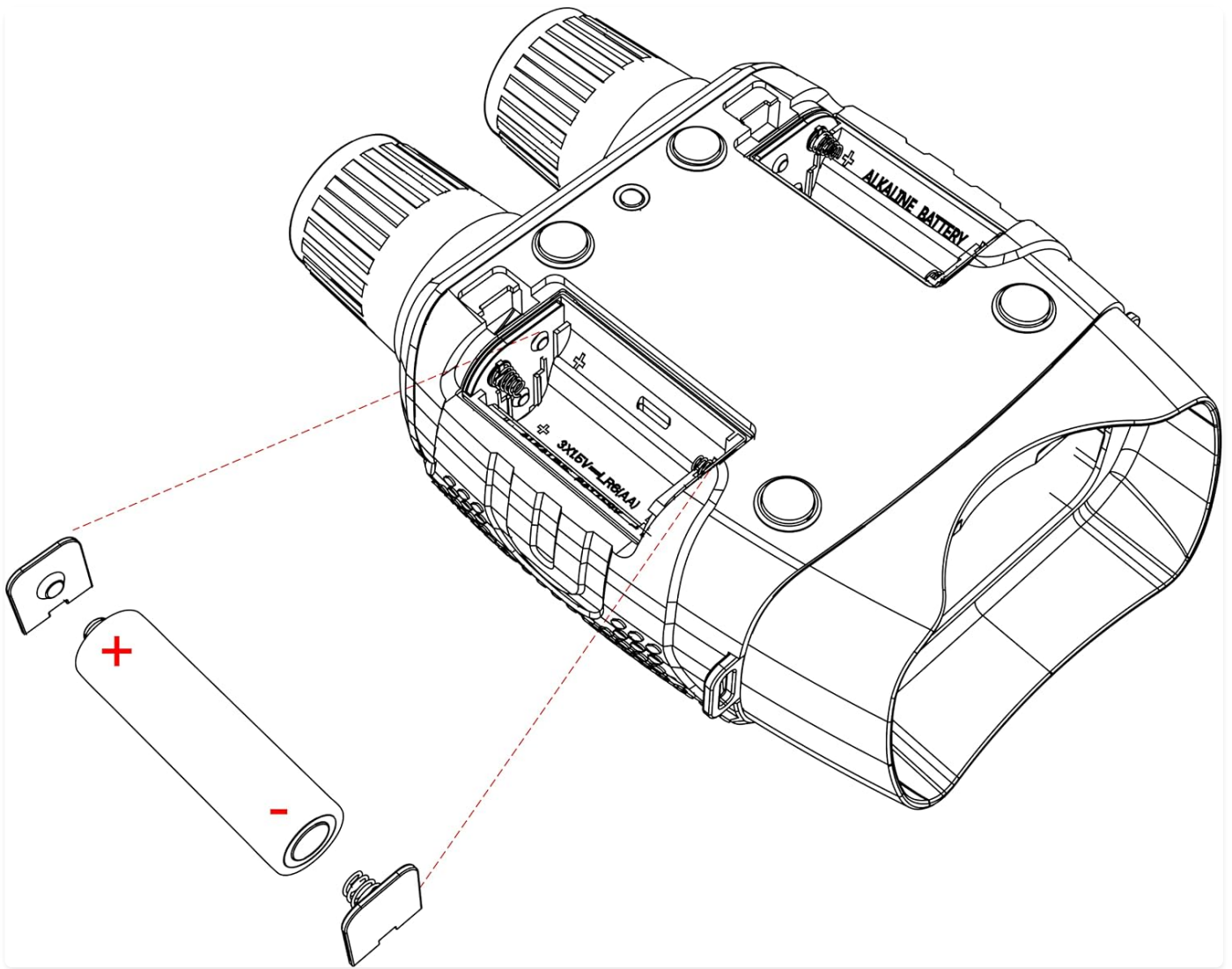


Figure 4: Battery installation diagram, showing the placement of AA batteries with correct positive (+) and negative (-) orientation.

Note: For optimal performance and longevity, it is recommended to use 1.5V rechargeable AA batteries, as they typically offer longer operational hours compared to disposable alkaline batteries.

2. Micro SD Card Installation

Locate the Micro SD card slot under its cover (refer to Figure 3). Insert the Micro SD card gently until it clicks into place. Ensure the card is inserted with the correct orientation, often upside down relative to the device's normal viewing position.

3. Power On

To power on the device, press and hold the power button located in the middle of the top control panel. The screen will illuminate, indicating the device is ready for use.

OPERATING INSTRUCTIONS

1. Focus Adjustment

Adjust the focus using the knob located at the front of the device. This knob is designed for smooth operation and includes directional arrows indicating "near" and "far" focus adjustments. Rotate the knob until the image on the screen is clear.

2. IR Adjustment

The device features an 850 NM IR illuminator with 7 adjustable intensity levels. To adjust the IR intensity, tap the IR adjustment buttons on the top control panel. Increasing the IR intensity enhances visibility in darker conditions.



Figure 5: Illustration of the night vision capability, showing the device's ability to provide clear vision up to 984ft (300m) in 100% darkness using 7 IR levels.

3. Digital Zoom

The device offers 4x digital zoom in addition to its 3x optical magnification. To zoom in or out, press and hold the zoom buttons on the top control panel. Be aware that digital zoom may result in a slightly grainy image at maximum magnification.

Professional Optical Zoom System

3X Optical
Magnification

4X Digital Zoom



Figure 6: The optical and digital zoom capabilities of the device, showing 3x optical magnification and 4x digital zoom for enhanced viewing.

4. Switching Modes (Photo/Video)

Press the "Mode" button on the top control panel to switch between video recording mode and photo capture mode. The current mode will be displayed on the screen.

5. Recording Photos and Videos

Once in the desired mode (photo or video), press the "Shot" button to capture a picture or begin/end video recording. All captured media will be saved to the inserted Micro SD card.



Figure 7: The device's versatility for capturing clear photos and videos during both daytime (color imaging) and nighttime (black & white imaging).

MAINTENANCE

1. Cleaning

Use the provided cleaning cloth to gently wipe the lenses and screen. Avoid using abrasive materials or harsh chemicals that could damage the optical surfaces or the device's body.

2. Battery Care

When storing the device for extended periods, remove the batteries to prevent leakage and potential damage. If using rechargeable batteries, ensure they are fully charged before use to maximize operating time. The device can run continuously for up to 11 hours on a full set of batteries.

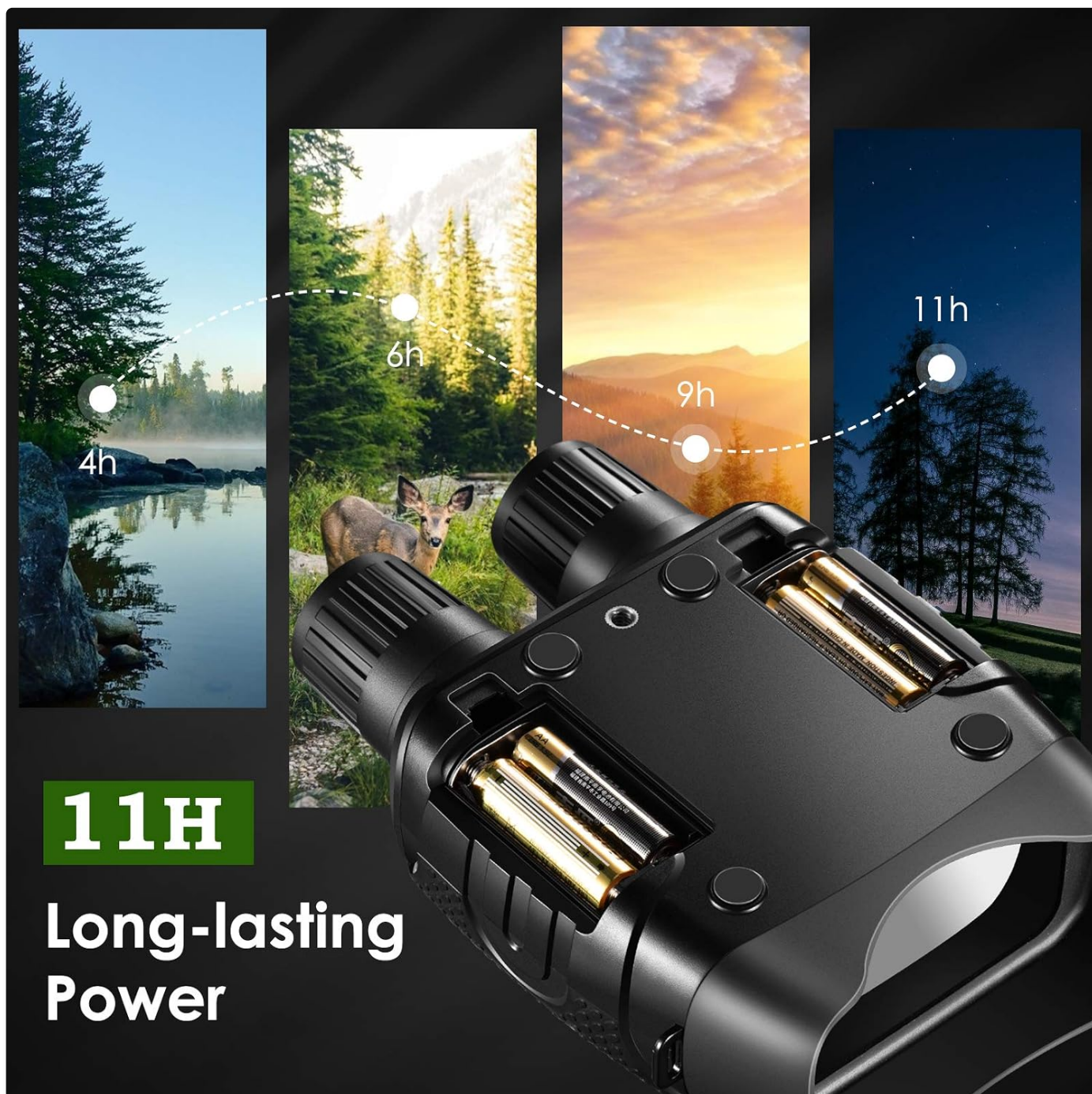


Figure 8: The device's battery compartments, illustrating its capacity for long-lasting power, up to 11 hours of continuous operation.

TROUBLESHOOTING

- **Unclear Image Quality:** If the image appears unclear or grainy, adjust the focus knob slowly according to the distance and environment. For digital zoom, note that image quality may decrease at higher magnifications.
- **Device Not Powering On:** Ensure all six AA batteries are correctly installed with the proper polarity and are sufficiently charged. If using rechargeable batteries, confirm they are 1.5V.
- **IR Not Functioning:** Check the IR intensity settings by tapping the IR adjustment buttons. Ensure the device is in a sufficiently dark environment for the IR illuminator to be effective.
- **No Recording/Saving Issues:** Verify that a Micro SD card is properly inserted into the slot and that it has sufficient free space.

SPECIFICATIONS

Feature	Detail
Model Name	NV3182
Brand	Dsoon
Item Weight	1.27 Pounds
Item Dimensions (LxWxH)	8.9 x 3.4 x 0.04 inches
Color	Black
Material	Plastic
Objective Lens Diameter	24 Millimeters
Magnification Maximum	3x Optical, 4x Digital
Special Feature	Night Vision, Slip Resistant
IR Illuminator	850 NM with 7 levels adjustment
Viewing Range (100% Darkness)	Up to 984ft (300m)
Screen	2.31" TFT LCD (3" view via convex lens)
Photo Resolution	1280x960 pixels
Video Resolution	1280x960 @ 30FPS
Power Source	6x AA Batteries (not included)
Continuous Operation	Up to 11 hours

WARRANTY

The Dsoon 4K Handsfree Night Vision Goggles come with a **1 Year Warranty** from the manufacturer. For warranty claims or service, please retain your proof of purchase and contact Dsoon customer support.

SUPPORT

For further assistance, technical support, or inquiries, please visit the official Dsoon website or contact their customer service department. Contact information can typically be found on the product packaging or the brand's official online presence.

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

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