AKASO ODNV0003-BK-05

AKASO Seemor-200 4K Night Vision Binoculars User Manual

Model: ODNV0003-BK-05

1. INTRODUCTION

Thank you for choosing the AKASO Seemor-200 4K Night Vision Binoculars. This device is designed to provide exceptional visibility in low-light and complete darkness conditions, featuring advanced AI-ISP technology for superior image quality, 4K Ultra HD resolution, and a powerful 16X digital zoom. This manual will guide you through the setup, operation, and maintenance of your new night vision binoculars.

Figure 1: AKASO Seemor-200 4K Night Vision Binoculars, showcasing the device and its accessories.

2. Package Contents

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

- AKASO Seemor-200 Night Vision Goggles x1
- Rechargeable Lithium-polymer Batteries x2
- Battery Charger x1
- USB Charging Cable x1
- Neck Strap x1
- Protective Carrying Case x1

Figure 2: All items included in the AKASO Seemor-200 package.

3. PRODUCT OVERVIEW

Familiarize yourself with the different parts of your AKASO Seemor-200 night vision binoculars.

Figure 3: Front view of the binoculars, showing the objective lenses and infrared illuminator.

Figure 4: Top view of the binoculars, highlighting the control buttons for power, zoom, IR, and mode selection.

Figure 5: Side view of the binoculars, showing the USB-C port and MicroSD card slot.

Figure 6: Bottom view of the binoculars, indicating the tripod mounting thread.

4. SETUP

4.1 Battery Installation

1. Open the battery compartment cover located on the underside of the device.
2. Insert the two rechargeable Lithium-polymer batteries according to the polarity markings.
3. Close the battery compartment cover securely.
4. Charge the batteries fully before first use using the provided USB-C cable and charger.

4.2 Inserting a MicroSD Card

1. Locate the MicroSD card slot on the side of the device, usually protected by a rubber flap.
2. Insert the MicroSD card with the gold contacts facing down until it clicks into place.
3. To remove, gently push the card inward until it springs out.

Figure 7: Illustration of battery and MicroSD card insertion points.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press and hold the Power button (usually marked with a circle and a vertical line) for 3-5 seconds to turn the device on or off.

5.2 Adjusting Focus

Rotate the focus wheel located on the objective lens until the image on the screen is clear. This allows for precise focusing on objects at various distances.

5.3 Digital Zoom

Use the 'Zoom In' (+) and 'Zoom Out' (-) buttons to adjust the digital magnification. The AKASO Seemor-200 offers up to 16X digital zoom.

5.4 Infrared (IR) Adjustment

Press the 'IR+' and 'IR-' buttons to cycle through the 7 infrared levels. Adjust the IR level to optimize visibility in different low-light conditions. Higher IR levels provide brighter images in darker environments.

5.5 Day and Night Vision Modes

The device automatically switches between color mode (daylight/low light) and black-and-white infrared mode (complete darkness). The AI-ISP technology enhances color reproduction even in very low light.

Figure 8: Comparison of AI-ISP enhanced full-color vision in ultra-low light versus traditional night vision.
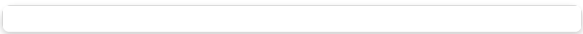
Figure 9: Demonstrating the superior color reproduction capabilities of the AKASO Seemor-200.

Figure 10: Example of 4K Ultra HD image quality captured by the binoculars in low light.

5.6 Recording Photos and Videos

Press the 'Mode' button to switch between photo and video modes. Once the desired mode is selected, press the 'OK' button to capture a photo or start/stop video recording.

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Video 1: Demonstration of 112MP 4K night vision binoculars with included 64GB card, showcasing image and video capture capabilities.

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Video 2: Overview of CNVPRO 4K Night Vision Goggles with f/0.8 aperture and 1000m range, highlighting optical features and performance.

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Video 3: Features of Night Vision Binoculars with a 4-inch TFT LCD screen and infrared capabilities.

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Video 4: Relassy 4K HD Infrared Night Vision Binoculars showcasing their use in various outdoor settings.

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Video 5: A brief preview of 112 MP Night Vision Binoculars, highlighting quick features and included 64GB card.

6. KEY FEATURES

- **Advanced AI-ISP Technology:** Significantly enhances image quality, providing stunning full-color images with lossless dynamics even in extremely low light. Achieves 99% color reproduction accuracy.
- **Clear Vision & Powerful Zoom:** Offers a clear vision range of up to 3280 feet (1000m) and a 16X digital zoom, allowing you to observe distant objects with clarity.
- **4K Ultra HD Image Quality:** Redefines clarity with next-generation 4K image quality, enabling you to distinguish every detail. Features 7 infrared modes as alternatives to color mode.
- **Extended Battery Life:** Equipped with 2 rechargeable batteries and a charger, providing up to 8 hours of continuous use, ensuring you don't miss crucial moments during outdoor activities.
- **Durable & Adventure-Ready:** IPX5 waterproof rating makes these binoculars ideal for all weather conditions. Integrated 6-axis gyroscope and compass ensure stability and accuracy, keeping you on track wherever you are.
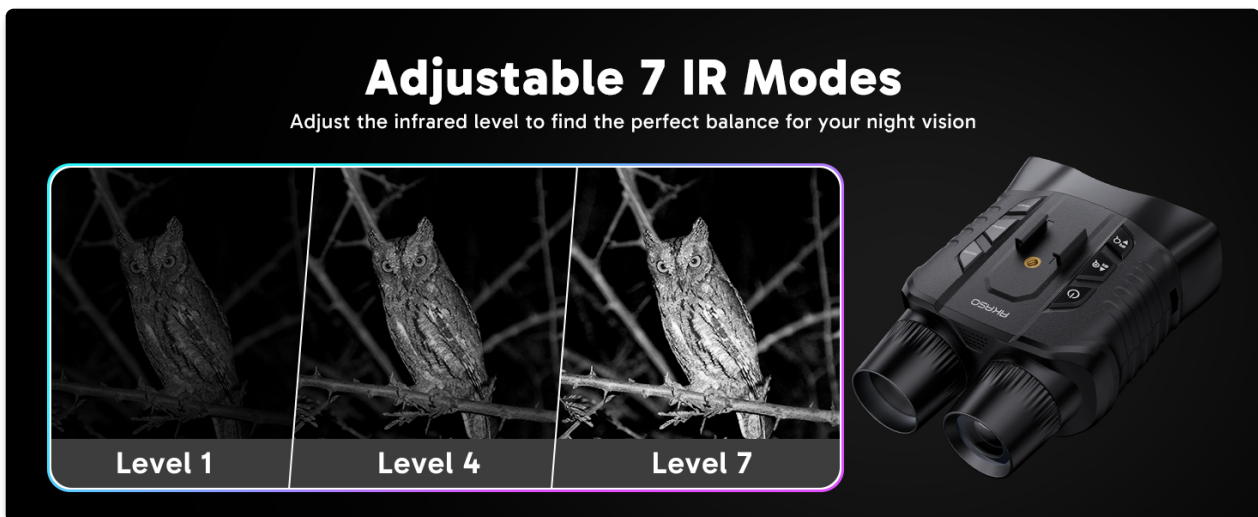

Figure 11: The AKASO Seemor-200 being used for various outdoor activities such as hunting, camping, and wildlife observation.

7. MAINTENANCE

- **Cleaning Lenses:** Use a soft, lint-free cloth to gently wipe the lenses. For stubborn smudges, use a lens cleaning solution specifically designed for optics. Avoid abrasive materials.
- **Cleaning Body:** Wipe the device body with a soft, damp cloth. Do not use harsh chemicals or solvents.
- **Storage:** Store the binoculars in their protective carrying case in a cool, dry place when not in use. Avoid

extreme temperatures and high humidity.

- **Battery Care:** Fully charge the batteries before long-term storage. Recharge them every 3-6 months to maintain battery health.

8. TROUBLESHOOTING

If you encounter any issues, please refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries; incorrectly inserted batteries.	Charge batteries; ensure batteries are inserted with correct polarity.
Image is blurry.	Incorrect focus adjustment; dirty lenses.	Adjust the focus wheel; clean the objective lenses.
Poor night vision performance.	IR level too low; ambient light interference.	Increase IR level; ensure no strong light sources are directly interfering.
Cannot record photos/videos.	No MicroSD card; MicroSD card full or corrupted.	Insert a MicroSD card; format or replace the MicroSD card.

9. SPECIFICATIONS

Feature	Detail
Brand	AKASO
Model Number	ODNV0003-BK-05
Image Quality	4K Ultra HD
Digital Zoom	16X
Infrared Vision Range	Up to 1000m (3280 feet)
Infrared Levels	7 modes
Battery Type	2 Lithium-polymer (rechargeable, included)
Battery Life	Up to 8 hours (continuous use)
Waterproof Rating	IPX5
Special Features	AI-ISP Technology, 6-axis Gyroscope, Built-in Compass
Material	Plastic
Weight	1.18 Kilograms

10. WARRANTY AND SUPPORT

AKASO products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included in your

package or visit the official AKASO website. Keep your purchase receipt as proof of purchase.