AKASO NV01

AKASO NV01 Digital Infrared Night Vision Binoculars

INSTRUCTION MANUAL

Model: NV01 | Brand: AKASO

Introduction

Thank you for choosing the AKASO NV01 Digital Infrared Night Vision Binoculars. This device is designed to provide clear viewing in total darkness, enabling you to capture photos and videos of wildlife, monitor your property, or assist in tactical operations. Please read this manual thoroughly before operating the device to ensure proper usage and optimal performance.

What's in the Box

The AKASO NV01 package includes the following items:

- AKASO NV01 Digital Infrared Night Vision Binoculars
- Durable Carrying Case
- Neck Strap
- USB to Micro USB Data Cable
- 32GB Micro SD Card (pre-installed or separate)
- Lens Cleaning Cloth
- User Manual

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Video: Overview of the AKASO NV01 Night Vision Binoculars and included accessories.

Setup

1. Battery Installation

The device requires 6xAA alkaline batteries (not included). Locate the battery compartments on the underside of the binoculars. Open the covers, insert the batteries according to the polarity indicators, and securely close the covers.

2. SD Card Insertion

A 32GB Micro SD card is included for photo and video storage. Open the rubber cover on the side of the device to reveal the Micro SD card slot. Insert the card with the gold contacts facing down until it clicks into place. Close the rubber cover to protect the port from dust and moisture.

3. Tripod Mounting

For stable viewing and recording, especially during extended use or at high zoom levels, the device features a 1/4-inch screw hole on the bottom for tripod mounting. Attach the binoculars to a compatible tripod for enhanced stability.

Operating Instructions

1. Power On/Off

To power on the device, long-press the **MODE/POWER** button located on the top panel. The internal screen will illuminate. To power off, long-press the same button until the screen shuts down.

2. Mode Selection

Short-press the **MODE/POWER** button to cycle through the available modes: Video Recording, Photo Capture, and Playback.

3. IR Illumination Adjustment

The device features 7 levels of infrared (IR) brightness. Use the **IR+** and **IR-** buttons to adjust the IR intensity. Higher levels provide greater visibility in darker conditions but consume more battery power.

Image: Demonstrates the effect of 7 infrared brightness levels on image clarity in low light conditions.

4. Manual Focusing

Adjust the focus by rotating the manual focus ring on the objective lens until the image appears sharp on the internal screen.

Image: A hand adjusting the 10X Optical Manual Focus ring for clearer viewing.

5. Digital Zoom

The device supports up to 4x digital zoom. Use the **IR+** (zoom in) and **IR-** (zoom out) buttons to adjust the magnification. Note that digital zoom may reduce image quality.

6. WiFi Connection and App Usage

To connect the binoculars to your smartphone, press the **WiFi** button on the device. Download the "NV Plus" app from your app store. Connect your phone to the binoculars' WiFi network (named "NV_xxxxxxxxxxxx") using the default password "123456789". Through the app, you can view real-time images, take photos/videos, adjust IR levels, and manage files.

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Video: Demonstrates connecting the AKASO NV01 to a smartphone via WiFi and using the "NV Plus" app for remote control and file management.
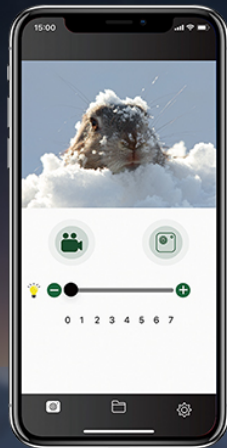
7. File Management

In Playback mode, use the **IR+** and **IR-** buttons to navigate through your captured photos and videos. Press the **OK** button to play videos. You can also manage files (view, download, share, delete) directly through the "NV Plus" app.
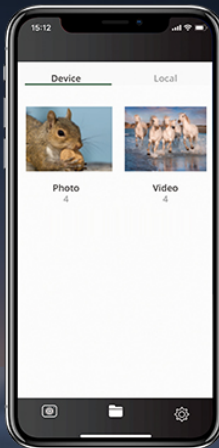
Media Integration Examples

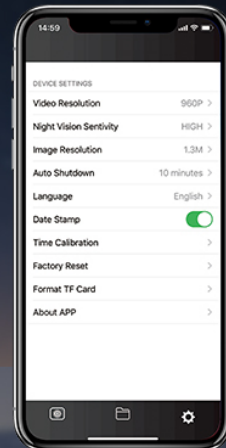Image: Clear visibility of animals up to 1100 feet in total darkness.

Image: Day & Night Vision capabilities with options for clear video and photo capture and immediate playback.
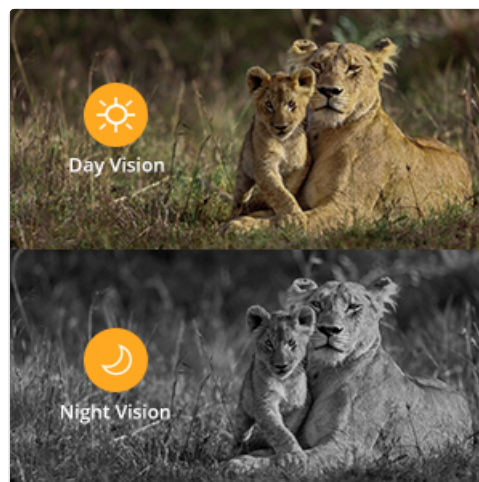

Image: Easy download and sharing of captured media via WiFi to a smartphone, with remote viewing and control.

Image: The 4.3-inch high-definition TFT screen provides an excellent viewing experience for all footage.

Image: The device offers up to 13 hours of long-lasting power, ensuring you don't miss exciting moments.

Image: Day Vision provides full-color images, while Night Vision offers clear black and white viewing in darkness.

AKASO **AKASO-Store**

AKASO-Store storefront

★★★★★ | 100% positive in the last 12 months (677 ratings)

Customer Service

We offer full refund within 30 days of purchase, free replacement within 90 days and one year limited manufacture warranty. Additional shipping, handling or repair fee might be charged if the problem is not a manufacture fault.

Contact Us

Hotline: (888) 466-9222 (US/CA) Mon-Fri 9am-5pm (EST)
Email: cs@akasotech.com, 24-hour-reply promised

You can find our contact information on Instruction Manual.

US-Based
Customer Support

Image: The smartphone app allows for real-time viewing, playback, downloading, and sharing of footage, as well as adjusting device settings.

Specifications

Feature	Detail
Product Dimensions	6 x 4 x 1.5 inches
Item Weight	2.66 pounds

Item Model Number	NV01
Batteries	6 AA batteries required (not included)
Special Feature	Night Vision
Objective Lens Diameter	25 Millimeters
Magnification Maximum	10 x

Maintenance

- Keep the lenses clean using the provided lens cleaning cloth. Avoid abrasive materials.
- Store the device in its carrying case in a cool, dry place when not in use.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged durations.

Troubleshooting

- **Device not powering on:** Ensure batteries are inserted correctly with proper polarity and are not depleted. Use new alkaline batteries for best performance.
- **Blurry image:** Adjust the manual focus ring on the objective lens. Ensure the screen is clean.
- **Poor night vision clarity:** Increase the IR illumination level using the **IR+** button. Ensure there are no obstructions in front of the IR emitter.
- **WiFi connection issues:** Ensure the WiFi function is activated on the binoculars. Verify the correct network name and password in your phone's WiFi settings.
- **Digital zoom grainy:** Digital zoom inherently reduces image quality. This is normal behavior.

Warranty and Support

AKASO offers a full refund within 30 days of purchase, free replacement within 90 days, and a one-year limited manufacturer warranty. Additional shipping, handling, or repair fees may apply if the problem is not a manufacturing fault.

For customer support, you can contact AKASO via:

- Hotline: (888) 466-9222 (US/CA) Mon-Fri 9am-5pm (EST)
- Email: cs@akasotech.com (24-hour reply promised)

Image: AKASO-Store customer support information.