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› Bresser NightSpy DT Digital Night Vision Binoculars User Manual

BRESSER 15066

Bresser NightSpy DT Digital Night Vision Binoculars

MODEL: 15066 USER MANUAL

1. Product Overview

The Bresser NightSpy DT is a digital night vision binocular designed for clear observation in low light and complete darkness. It features a 4x optical magnification and an 8x digital zoom, allowing for detailed viewing of objects up to 300 meters away at night. The integrated 850 nm infrared LED illuminator provides seven adjustable brightness levels for optimal visibility.

Equipped with a 3-inch (7.62 cm) display, the device supports capturing high-resolution images at 1280 x 720 pixels (interpolated to 40 MP) and videos in 2.5K UHD resolution. Its compact and lightweight design, along with a non-slip rubber coating and illuminated silicone buttons, ensures comfortable and intuitive operation even in challenging conditions. A tripod connection thread is included for stable, extended observations.



Figure 1.1: Front view of the Bresser NightSpy DT showing the display and control buttons.

2. Setup

2.1 Package Contents

- Night Vision Device
- Rechargeable Battery
- USB-C Cable
- Carrying Strap
- Cleaning Cloth
- MicroSD Card Reader
- User Manual



Figure 2.1: All items included in the Bresser NightSpy DT product package.

2.2 Battery Installation and Charging

Locate the battery compartment on the underside of the device. Open the cover and insert the provided rechargeable lithium battery, ensuring correct polarity. Close the battery compartment cover securely.

To charge the battery, connect the included USB-C cable to the device's charging port and the other end to a compatible USB power source (e.g., computer USB port, USB wall adapter). The charging indicator will show the charging status. Ensure the battery is fully charged before first use for optimal performance.



Figure 2.2: Battery compartment located on the underside of the device, with the battery removed.

2.3 Initial Power On

Press and hold the power button (usually marked with a power symbol) located on the top panel of the device until the display illuminates. The device will boot up and display the live view.

3. Operating Instructions

3.1 Controls Overview

The NightSpy DT features intuitive controls on its top panel:

- **Power Button:** Turns the device on/off.
- **Menu Button (M):** Accesses the device settings menu.
- **OK Button:** Confirms selections within the menu or takes a photo/starts video recording.
- **IR Adjustment Buttons (Light Symbol):** Adjusts the infrared illuminator brightness (7 levels).
- **Zoom Buttons:** Controls digital zoom.



Figure 3.1: Top view of the Bresser NightSpy DT highlighting the control buttons.

3.2 Adjusting Infrared Illumination

In low light or complete darkness, press the IR adjustment buttons to cycle through the 7 levels of infrared illumination. Higher levels provide greater visibility but may consume more battery power. The IR illuminator is 850 nm, making it invisible to the naked eye.

3.3 Zoom Function

The device offers 4x optical magnification. Additionally, you can use the dedicated zoom buttons to engage the 8x digital

zoom for closer inspection of distant objects.

3.4 Photo and Video Capture

To capture a photo, press the OK button once. To start video recording, press and hold the OK button. Press again to stop recording. Photos are captured at 1280 x 720 pixels (interpolated to 40 MP), and videos are recorded in 2.5K UHD resolution. Ensure a MicroSD card is inserted for storage.

3.5 Menu Navigation

Press the Menu (M) button to access the device settings. Use the navigation buttons (often the IR adjustment or zoom buttons) to scroll through options and the OK button to select. The menu supports 11 languages for user convenience.

3.6 Tripod Mounting

For extended observation periods or to ensure a stable image, the NightSpy DT includes a standard tripod connection thread on its underside. Attach the device to a compatible tripod for enhanced stability.



Figure 3.2: Underside of the device with the tripod mounting thread visible.

4. Maintenance

4.1 Cleaning

- **Lenses:** Use the provided cleaning cloth or a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surfaces to remove dust or smudges. Avoid using abrasive materials or harsh chemicals.
- **Body:** Wipe the device body with a soft, damp cloth. Do not use solvents or strong cleaning agents.

4.2 Storage

Store the NightSpy DT in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery to prevent leakage and damage to the device.

4.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Recharge the battery regularly, even if the device is not in use, to maintain its capacity. If the device will not be used for a long time, charge the battery to about 50% before storing.

5. Troubleshooting

5.1 Device Not Turning On

- Ensure the battery is fully charged.
- Check that the battery is inserted with correct polarity.
- Press and hold the power button for a few seconds.

5.2 Poor Image Quality / No Image in Darkness

- Increase the IR illuminator brightness level.
- Ensure lenses are clean and free from smudges or dust.
- Check if the focus is properly adjusted (if applicable).

5.3 Cannot Record Photos/Videos

- Ensure a MicroSD card is inserted correctly.
- Check if the MicroSD card has sufficient free space.
- Verify the MicroSD card is not locked (read-only).
- Format the MicroSD card (this will erase all data).

6. Specifications

Feature	Specification
Model Name	Nightspy DT
Optical Magnification	4x
Digital Zoom	8x
Night Range	Up to 300 m
IR Illuminator	850 nm LED, 7 levels adjustable
Display	3 inch (7.62 cm) integrated screen
Image Resolution	1280 x 720 px (40 MP interpolated)
Video Resolution	2.5K UHD
Material	Plastic with rubber coating
Color	Black

Dimensions (L x W x H)	14 x 12.5 x 5.5 cm
Power Source	Rechargeable Lithium Battery (included)
Tripod Mount	Yes

7. Warranty and Support

This product is intended for civil use only. For detailed warranty information and support, please refer to the warranty card included with your purchase or visit the official Bresser website. If you encounter issues not covered in this manual, please contact Bresser customer service for assistance.

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