

ATN Odin LT 320x240, 3-6x

ATN Odin LT Wearable Compact Thermal Monocular (320x240, 3-6x) User Manual

Model: Odin LT 320x240, 3-6x

1. INTRODUCTION

This manual provides detailed instructions for the proper use, setup, operation, and maintenance of your ATN Odin LT Wearable Compact Thermal Monocular. Please read this manual thoroughly before operating the device to ensure optimal performance and safety.

2. SAFETY INFORMATION

- Do not attempt to disassemble or modify the device. This may void the warranty and cause damage.
- Keep the device away from extreme temperatures, direct sunlight, and moisture.
- Use only specified battery types. Incorrect battery usage can lead to damage or injury.
- Clean the lenses with a soft, lint-free cloth specifically designed for optics. Avoid abrasive materials.
- **Legal Disclaimer:** This product is ITAR (International Traffic in Arms Regulations) restricted and is not authorized for export without proper licensing.

3. PACKAGE CONTENTS

Upon unpacking, verify that all items are present and in good condition:

- ATN Odin LT Thermal Monocular (320x240, 3-6x)
- Soft Carrying Case
- 1 CR123A Battery (pre-installed or included separately)

4. PRODUCT OVERVIEW

The ATN Odin LT is a compact and lightweight thermal monocular designed for observation. It features an ergonomic design for comfortable handling and a high-resolution display for clear imaging.



Figure 4.1: The ATN Odin LT Thermal Monocular. This image displays the overall design of the device, highlighting its compact form factor and the objective lens on the left and eyepiece on the right.



Figure 4.2: A user holding the ATN Odin LT monocular in a handheld configuration. This illustrates the ergonomic design and how the device fits comfortably in one hand for easy manipulation.



Figure 4.3: A detailed view of the objective lens of the ATN Odin LT. The lens is marked with "THERMAL ATN", indicating its function.



Figure 4.4: A close-up of the eyepiece of the ATN Odin LT, showing the rubber eyecup designed for comfortable viewing.

Key Features:

- **Compact and Lightweight:** Designed for portability and ease of use, fitting comfortably in one hand.
- **High-Resolution Display:** Features a 1280x960 display for clear and vivid thermal images.
- **Versatile Mounting Options:** Can be used handheld, helmet-mounted, or head-mounted for various observation scenarios.
- **White Hot/Black Hot Modes:** Allows selection of preferred color palettes for thermal imaging.
- **ATN Obsidian LT Core:** Utilizes advanced thermal imaging processing for enhanced performance.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment on the device.
2. Open the battery compartment cover.
3. Insert one CR123A battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2 Mounting Options

The ATN Odin LT offers flexible mounting for different operational needs:

- **Handheld:** Use the device directly in your hand for quick and flexible observation.
- **Helmet-Mounted:** Attach the monocular to a compatible helmet mount for hands-free operation.

- **Head-Mounted:** Secure the device to a head mount for extended hands-free use.

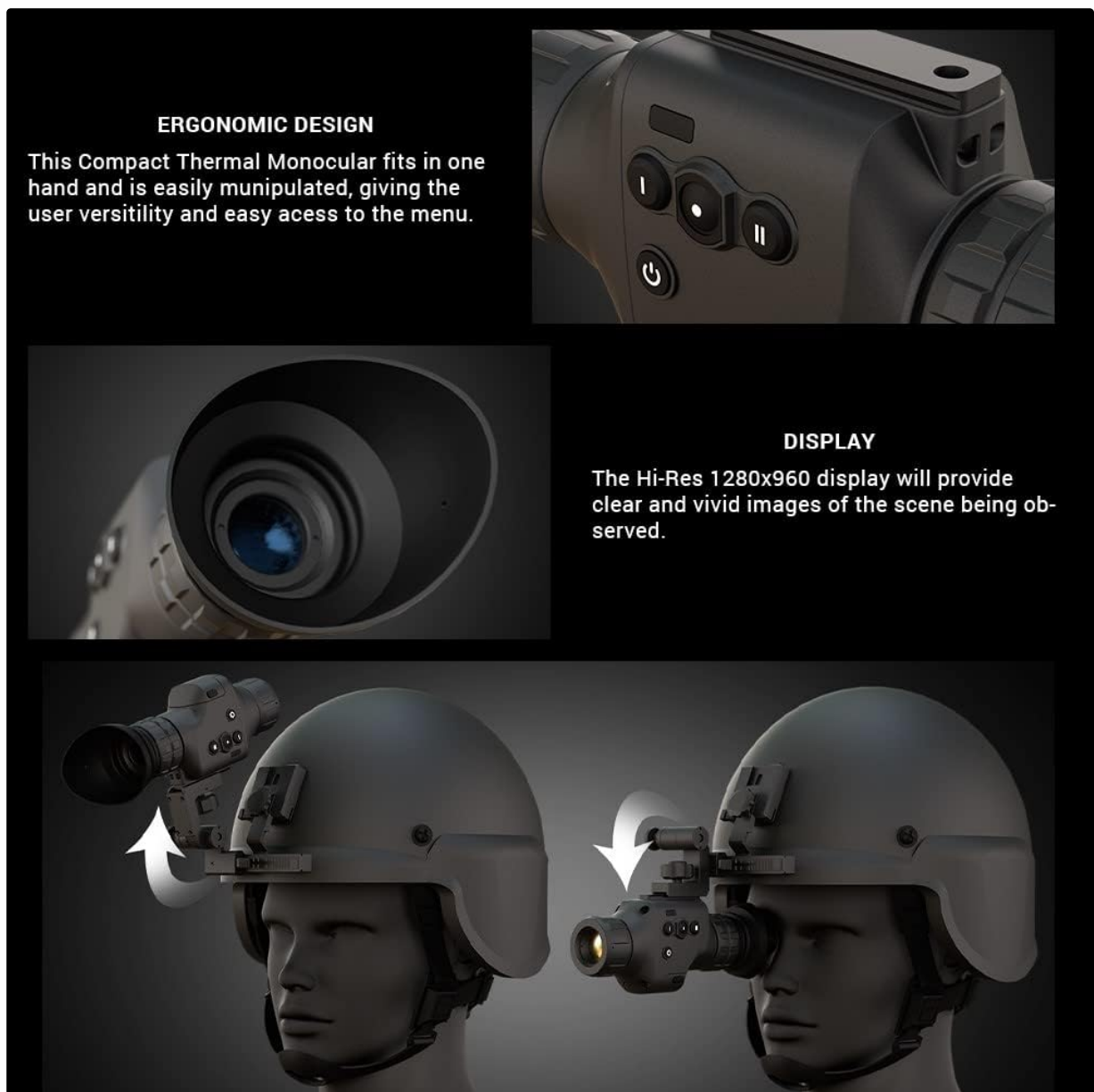


Figure 5.1: A diagram illustrating the helmet mounting process for the ATN Odin LT. It shows the monocular being attached to a helmet mount.

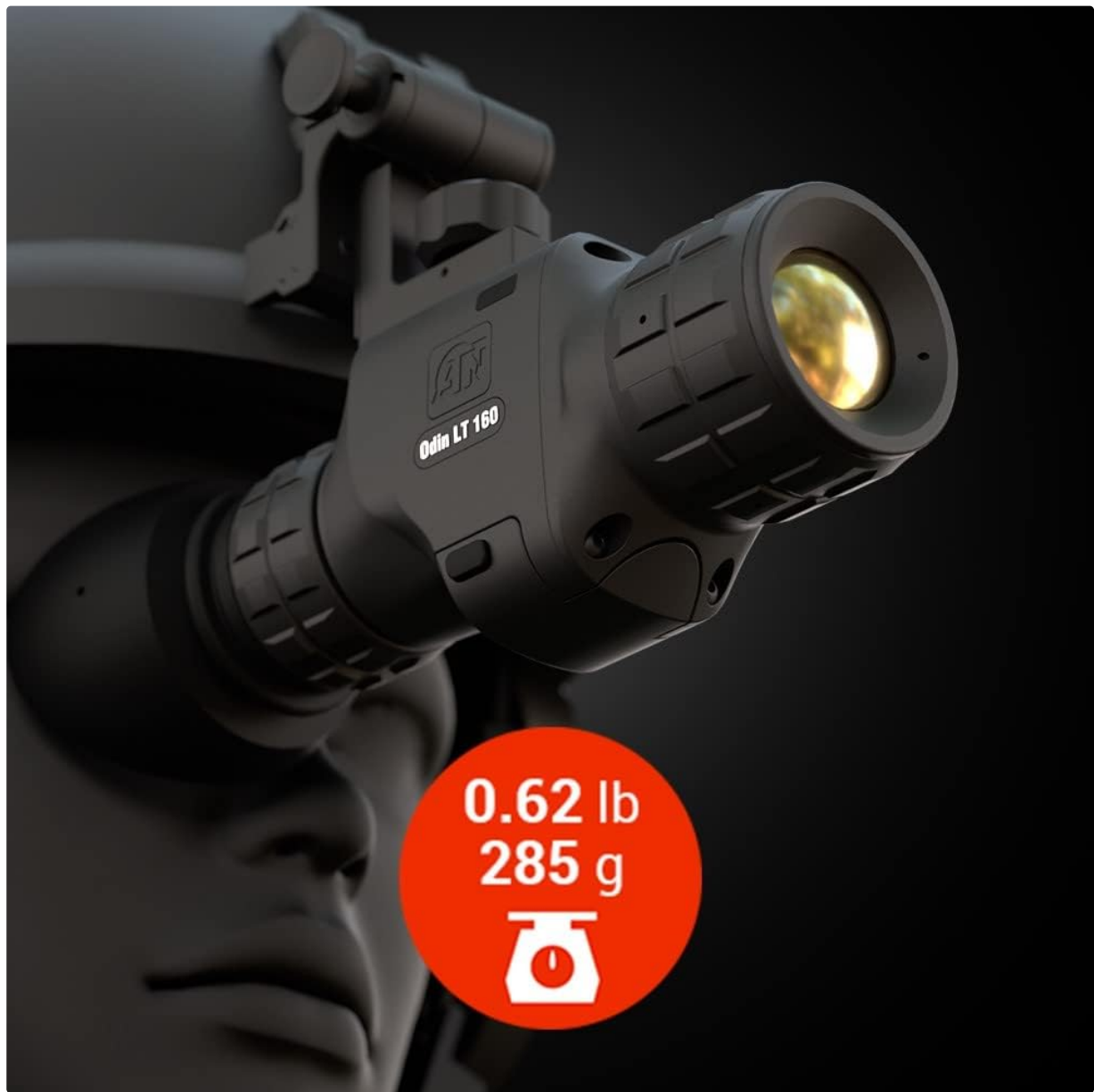


Figure 5.2: The ATN Odin LT monocular mounted on a helmet, with an overlay indicating its lightweight design (0.62 lb / 285 g).



Figure 5.3: A user wearing a helmet with the ATN Odin LT thermal monocular attached, demonstrating a practical application of the helmet-mounted configuration.

6. OPERATING INSTRUCTIONS


6.1 Controls Overview



Figure 6.1: A close-up view of the control buttons on the ATN Odin LT. These buttons are used for power, menu navigation, and mode selection.

The device features intuitive buttons for power, menu access, and mode selection. Refer to Figure 6.1 for button locations.

6.2 Power On/Off

- **To Power On:** Press and hold the Power button (typically marked with a  symbol) for a few seconds until the display activates.
- **To Power Off:** Press and hold the Power button again until the device shuts down.

6.3 Menu Navigation

Use the designated menu buttons (e.g., 'I', 'II', central button) to navigate through the device's settings and options. Specific functions for each button will be detailed in the on-screen menu.

6.4 White Hot/Black Hot Mode

The Odin LT allows you to switch between 'White Hot' and 'Black Hot' thermal display modes. These modes represent warmer objects as either white or black, respectively, against a contrasting background.

- Access the display settings through the menu.
- Select either 'White Hot' or 'Black Hot' based on your preference and environmental conditions.

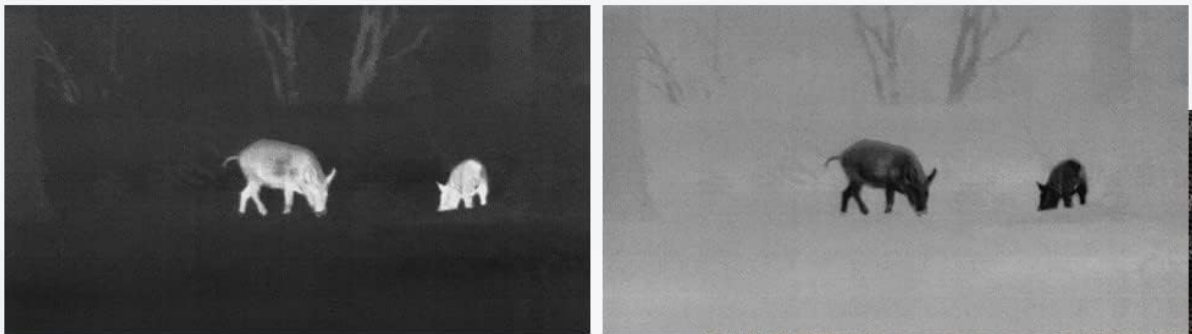


Figure 6.2: A split image demonstrating the 'White Hot' and 'Black Hot' thermal imaging modes. The top image shows objects as white against a dark background (White Hot), while the bottom image shows objects as dark against a light background (Black Hot).

6.5 Focus Adjustment

The device features manual focus. Rotate the focus ring on the objective lens until the image appears sharp and clear in the eyepiece.

7. MAINTENANCE

- **Cleaning the Lenses:** Use a soft, clean optical cloth to gently wipe the objective and eyepiece lenses. For stubborn smudges, use a small amount of lens cleaning solution designed for optics.
- **Cleaning the Body:** Wipe the device body with a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the monocular in its soft carrying case in a cool, dry place, away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on	Dead or incorrectly installed battery	Replace battery or check polarity. Ensure battery compartment is closed securely.
Image is blurry	Incorrect focus setting	Adjust the manual focus ring on the objective lens.
No thermal image displayed	Device malfunction or extreme environmental conditions	Restart the device. If problem persists, contact customer support.
Buttons are unresponsive	Temporary software glitch	Power cycle the device (turn off and on).

9. SPECIFICATIONS







Feature	Detail
Model	Odin LT 320x240, 3-6x
Product Dimensions	1.81 x 5.16 x 2.8 inches (4.6 x 13.1 x 7.1 cm)
Item Weight	0.013 ounces (0.38 Grams)
ASIN	B09QCTJ2DZ
Batteries	1 CR123A battery (included)
Manufacturer	ATN Corp
Eye Piece Lens Description	25mm
Telescope Mount Description	Hand-held, Helmet or Head-mounted
Focus Type	Manual Focus







Feature	Detail
Power Source	Battery Powered
Field Of View	12 Feet

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the manufacturer, ATN Corp, or the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

Related Documents - Odin LT 320x240, 3-6x

<p>ATN BlazeSeeker Series THERMAL MONOCULARS</p>  <p>MANUAL</p> 	<p>ATN BlazeSeeker Series Thermal Monoculars User Manual</p> <p>Comprehensive user manual for the ATN BlazeSeeker Series Thermal Monoculars, detailing features, applications, setup, operation, settings, video/snapshot functions, and warranty information. Learn how to use your thermal monocular for hunting, surveillance, and outdoor observation.</p>
<p>ATN BlazeSeeker Series THERMAL MONOCULARS</p>  <p>MANUAL</p> 	<p>ATN BlazeSeeker Series Thermal Monoculars User Manual</p> <p>Comprehensive user manual for the ATN BlazeSeeker Series thermal monoculars, covering features, specifications, operation, settings, video recording, system updates, warranty, and contact information.</p>
<p>ATN BlazeTrek Series THERMAL MONOCULARS</p>  <p>MANUAL</p> 	<p>ATN BlazeTrek Series Thermal Monoculars User Manual</p> <p>Comprehensive user manual for the ATN BlazeTrek Series thermal monoculars, covering features, operation, configuration, and maintenance. Learn how to use your thermal imaging device for hunting, rescue, and outdoor observation.</p>

<div data-bbox="118 91 309 389"><p>ATN BlazeTrek Series</p><p>THERMAL MONOCULARS</p><p>MANUAL</p><p>AMERICAN TECHNOLOGIES NETWORK CORP.</p></div>	<p>ATN BlazeTrek Series Thermal Monoculars User Manual</p> <p>Comprehensive user manual for the ATN BlazeTrek Series thermal monoculars, detailing features, specifications, operation, configuration, system settings, and warranty information.</p>
<div data-bbox="118 642 309 918"><p>Night Shadow</p><p>USER GUIDE</p><p>AMERICAN TECHNOLOGIES NETWORK CORP.</p></div>	<p>ATN Night Shadow Biocular User Guide: Features, Operation, Specifications & Warranty</p> <p>This user guide provides comprehensive information on the ATN Night Shadow night vision biocular. It details the device's application, smart digital technology, infra-red illuminator, focusing mechanisms, optional camera adapter and doubler usage, operational procedures, storage and care instructions, cleaning, troubleshooting, technical specifications, and warranty details. Essential for users seeking to understand and maximize the performance of their ATN night vision equipment.</p>
<div data-bbox="118 960 309 1258"><p>ATN X-Sight 5 Series ATN X-Sight 5 LRF Series</p><p>DAY/NIGHT RIFLE SCOPES</p><p>MANUAL</p><p>AMERICAN TECHNOLOGIES NETWORK CORP.</p></div>	<p>ATN X-Sight 5 Series & X-Sight 5 LRF Series Smart Day/Night Rifle Scopes User Manual</p> <p>This manual provides comprehensive instructions for the ATN X-Sight 5 Series and X-Sight 5 LRF Series Smart Day/Night Rifle Scopes. It covers features, specifications, device preparation, interface navigation, functions like Night Vision, Video Recording, Ballistic Calculator, Zeroing, and system settings, along with warnings, mobile app integration, and warranty information.</p>