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## ATN TIMNOXLT119X

# ATN OTS XLT Thermal Monocular User Manual

Model: TIMNOXLT119X | Brand: ATN

## 1. INTRODUCTION

The ATN OTS XLT Thermal Monocular is a compact and ergonomic device designed for various applications, including hunting, surveillance, and home inspections. Featuring a 50Hz thermal sensor, smart rangefinder, and long-lasting battery life, it provides clear heat signatures and versatile viewing modes. This manual provides essential information for setting up, operating, and maintaining your thermal monocular.

## 2. KEY FEATURES

- **50Hz Thermal Sensor:** Provides long-range performance for detecting heat signatures with a smooth refresh rate.
- **Smart Rangefinder:** Allows the device to detect the distance between the target and the observation position.
- **Classic Ergonomics:** Compact and user-friendly design with simple controls for comfortable handling.
- **10+ Hours Battery Power:** Ultra-low power consumption ensures extended operational time.
- **White Hot/Black Hot or Color Modes:** Multiple display modes for optimal viewing of moving objects in various environments.
- **Record Video/Capture Pictures:** Built-in capability to record your observations and capture still images.
- **Lightweight:** Weighing only 0.8 lb, it is highly portable and fits easily in a pocket.

## 3. INITIAL SETUP

Upon receiving your ATN OTS XLT Thermal Monocular, please follow these steps for initial setup:

1. **Unboxing:** Carefully remove the monocular and all accessories from the packaging. Ensure all components listed in the packing list are present.
2. **Charging:** Before first use, fully charge the device using the provided USB-C cable. Connect the cable to the monocular's charging port and a compatible power source.
3. **Power On:** Press and hold the power button (usually indicated by a power icon) to turn on the device.
4. **Adjust Eyecup:** Adjust the eyecup for comfortable viewing and to block out ambient light.
5. **Familiarize Controls:** Take time to familiarize yourself with the button layout and their functions as described in the detailed

user manual (PDF link available in the Support section).



Figure 3.1: The ATN OTS XLT Thermal Monocular and its packaging, highlighting its compact design.

## 4. OPERATING INSTRUCTIONS

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The ATN OTS XLT Thermal Monocular offers intuitive controls and various modes to enhance your viewing experience. Below are key operational aspects:

### 4.1. Viewing Modes

The monocular supports multiple thermal viewing modes to adapt to different environments and target types:

- **White Hot:** Hot objects appear white, and colder objects appear black. Ideal for general observation.
- **Black Hot:** Hot objects appear black, and colder objects appear white. Useful for identifying heat sources against a cold background.
- **Color Mode (Fusion):** Displays heat signatures in a spectrum of colors, often with warmer temperatures appearing in brighter colors (e.g., red, yellow) and colder temperatures in darker colors (e.g., blue, purple). This mode can provide enhanced detail and contrast.



Figure 4.1: Visual representation of White Hot, Black Hot, and Color (Fusion) thermal modes.

## 4.2. Smart Rangefinder

The integrated smart rangefinder allows you to estimate distances to objects. This feature is particularly useful for hunting and surveillance applications. Consult the full user manual for detailed instructions on using the rangefinder function.

# SMART RANGEFINDER

The device can detect the distance between the target and the observation position.



Figure 4.2: The Smart Rangefinder feature helps determine distances to targets.

## 4.3. Recording and Capturing

The monocular can record videos and capture still images of your observations. This is useful for reviewing footage, sharing experiences, or documenting findings. The device includes 8GB of internal storage for your media.

# RECORD VIDEO/ CAPTURE PICTURES

Record your Hunting Adventure with Video Recording and or Take Photos to bring your adventures back home to share with friends, family and on social media.

8Gb  
INTERNAL  
STORAGE

VIDEO  
RECORD 50fps



Figure 4.3: The monocular allows for video recording and picture capture with 8GB internal storage.

## 4.4. Product Overview Video

Watch the official product video for a visual demonstration of the ATN OTS XLT Thermal Monocular's features and capabilities, including its ergonomic design and various thermal modes.

Your browser does not support the video tag.

Video 4.1: Official product overview of the ATN OTS XLT Thermal Monocular, demonstrating its features and thermal imaging capabilities.

## 5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your thermal monocular:

- **Cleaning Lenses:** Use a soft, lint-free cloth (like the one provided) to gently wipe the lenses. For stubborn smudges, use a specialized optical lens cleaning solution. Avoid abrasive materials.
- **Body Cleaning:** Wipe the monocular's body with a damp cloth. Do not use harsh chemicals or solvents.

- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Use the soft carrying case to protect it from dust and scratches.
- **Battery Care:** For long-term storage, ensure the battery is partially charged (around 50%). Recharge periodically if not used for extended periods to maintain battery health.

## 6. TROUBLESHOOTING

If you encounter issues with your ATN OTS XLT Thermal Monocular, refer to the following common solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the device fully using the provided USB-C cable.
Image is blurry or unclear.	Lens is dirty; improper focus.	Clean the lens with a soft cloth. Adjust the focus ring on the objective lens.
No heat signature detected.	Object is too far or too cold; incorrect mode.	Ensure the object has a sufficient temperature difference. Try switching between White Hot, Black Hot, and Color modes.
Cannot record video/capture images.	Internal storage full.	Transfer media to another device and delete files from the monocular to free up space.

For more complex issues, please refer to the comprehensive user manual or contact ATN customer support.

## 7. SPECIFICATIONS

Attribute	Detail
Brand	ATN
Model Name	2-8x
Item Model Number	TIMNOXLT119X
Item Weight	0.8 lb (approx. 0.36 kg)
Product Dimensions (LxWxH)	6.85" x 2.08" x 2.63" (174 x 53 x 67 mm)
Color	Black
Material	Plastic
Objective Lens Diameter	25 Millimeters
Power Source	Battery Powered (1 Lithium Ion battery included)
Battery Life	10+ hours of continuous use
Included Components	Soft Carrying Case, USB-C Cable

## 8. WARRANTY & SUPPORT

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**Warranty:** The ATN OTS XLT Thermal Monocular comes with a 2-year manufacturer's warranty.

**Support:** For detailed information, advanced features, or troubleshooting not covered in this brief guide, please refer to the official User Manual (PDF) available online:

[Download Official User Manual \(PDF\)](#)

You can also visit the official ATN store on Amazon for more products and support information: [ATN Amazon Store](#)