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ATN TIWSTH384A

ATN ThOR-HD 384 Thermal Rifle Scope User Manual

Model: TIWSTH384A

1. PRODUCT OVERVIEW

The ATN ThOR-HD 384 is an advanced thermal rifle scope designed for enhanced visibility in complete darkness, fog, or light rain. It utilizes a 384x288 sensor to detect heat signatures, providing clear imagery for various applications. This smart thermal scope integrates several cutting-edge features to improve accuracy and user experience.

- **Excellent Image Performance:** Features a 384x288 sensor for clear thermal detection.
- **Ballistic Calculator:** Assists in calculating bullet trajectory for improved shot placement.
- **Built-in Smart Rangefinder:** Simplifies target distance measurement.
- **Smooth Zoom:** Allows magnification without losing field of view.
- **HD Video Recording & Photos:** Capture your observations and experiences.
- **Recoil Activated Video (RAV):** Automatically records before and after a shot.
- **Wi-Fi Streaming:** Connects to your phone/tablet for live viewing and control.
- **GPS & Image Stabilization:** Enhances tracking and viewing stability.



Image of the ATN ThOR-HD 384 Thermal Rifle Scope, showing its compact design with the objective lens, control buttons on top, and eyepiece.

2. SETUP AND INSTALLATION

2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the product's packing list are present and undamaged. Familiarize yourself with the scope's physical features and controls.

2.2 Battery Installation

The ThOR-HD 384 requires four AA batteries. Locate the battery compartment, typically sealed with a screw-on cap. Unscrew the cap, insert the batteries according to the polarity indicators, and securely re-attach the cap to ensure a watertight seal.

2.3 Mounting the Scope

The scope comes with a quick-detach (QD) mount system. Attach the mount to your rifle's Picatinny or Weaver rail. Ensure the mount is securely fastened to prevent movement during use. Adjust the mount's tension if necessary to achieve a firm fit without over-tightening.

2.4 Firmware Update (Recommended)

It is recommended to check for and install the latest firmware updates for optimal performance. Visit the official ATN website and follow the instructions for downloading and installing firmware via an SD card.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

To power on, press and hold the Power button located on the top of the scope until the display illuminates. To power off, press and hold the Power button again until the display shuts down.

3.2 Basic Controls

The ThOR-HD 384 features an intuitive button layout:

- **Power Button:** On/Off, also serves as the NUC (Non-Uniformity Correction) button for sensor calibration.
- **Directional Pad (Up/Down/Left/Right/Enter):** Navigates menus, adjusts settings, and controls digital zoom.
- **Photo/Video Buttons:** Dedicated buttons for capturing still images and recording video.

3.3 Focusing the Image

Adjust the objective lens focus ring (front of the scope) to achieve a clear image of your target. Use the diopter adjustment ring (eyepiece) to fine-tune the reticle's sharpness to your eye.

3.4 Smart Features in Action

The ThOR-HD 384 integrates several smart features for enhanced performance:

- **Ballistic Calculator:** Input your ammunition and environmental data (wind, temperature, barometric pressure) into the scope or via the ATN Connect app. The scope will automatically adjust the point of impact on the reticle.
- **Smart Rangefinder:** Use the rangefinder function to quickly and accurately measure the distance to your target. The scope will display the distance and can integrate it with the ballistic calculator.
- **Video Recording (RAV):** Enable Recoil Activated Video (RAV) to automatically record video clips before and after a shot, ensuring you capture key moments.
- **Wi-Fi Streaming:** Connect your smartphone or tablet to the scope via Wi-Fi using the ATN Connect app. This allows for live streaming, remote control, and gallery access.

Your browser does not support the video tag.

Official product video demonstrating key features and usage scenarios of the ATN ThOR-HD 384 Thermal Rifle Scope, including smart shooting solution and rangefinder.

4. MAINTENANCE

Proper maintenance ensures the longevity and performance of your ThOR-HD 384 scope.

- **Cleaning Lenses:** Use a soft, lint-free cloth specifically designed for optics. Gently wipe the lenses to remove dust and smudges. For stubborn dirt, use a small amount of lens cleaning solution.
- **Body Cleaning:** Wipe the scope's body with a damp cloth. Avoid harsh chemicals or abrasive materials.
- **Battery Care:** Remove batteries if the scope will not be used for an extended period to prevent leakage. Use high-quality, non-rechargeable AA batteries for best performance.
- **Storage:** Store the scope in a cool, dry place, preferably in its original case or a protective bag, away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scope does not power on.	Dead or incorrectly installed batteries.	Replace batteries with fresh ones, ensuring correct polarity.

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Incorrect objective or diopter focus.	Adjust the objective lens focus for target clarity and the diopter for reticle sharpness.
Wi-Fi connection issues.	Incorrect Wi-Fi settings or interference.	Ensure Wi-Fi is enabled on the scope and your device. Try restarting both devices. Check for obstructions.
Video recording not working.	SD card full, corrupted, or not inserted correctly.	Check SD card status. Format or replace if necessary. Ensure it's inserted fully.

For further assistance, please refer to the detailed [User Guide \(PDF\)](#) or [User Manual \(PDF\)](#) provided by ATN.

6. SPECIFICATIONS

Feature	Detail
Brand	ATN
Model Name	TIWSTH384A
Sensor Resolution	384x288
Objective Lens Diameter	50 mm
Magnification (Min-Max)	4.5x - 18x
Item Weight	2 Pounds
Color	Matte Black
Compatible Devices	Rifle
Mounting Type	Ring Mount
Night Vision	Yes (Thermal)
Eye Relief	90 mm
Reticle Type	Multiple Patterns & Color Options
UPC	658175112396

7. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official documentation included with your ATN ThOR-HD 384 Thermal Rifle Scope or visit the official ATN website. You can also find additional resources and contact information on the [ATN Store on Amazon](#).

