ATN DGWSXS3144KP

ATN X-Sight Pro Smart Day/Night Hunting Scope User Manual

Model: DGWSXS3144KP

Brand: ATN

1. INTRODUCTION AND OVERVIEW

The ATN X-Sight Pro Smart Day/Night Hunting Scope is an advanced digital riflescope designed for versatile use in various lighting conditions. Featuring an Ultra HD 4K sensor and the Obsidian 4 Dual Core Processor, it delivers high-resolution imaging, fast optics, and vibrant colors. This scope integrates cutting-edge technology to enhance your hunting experience, providing capabilities for both day and night operation.

Figure 1: ATN X-Sight Pro Smart Day/Night Hunting Scope (3-14x model).

Key Features:

- **Ultra HD Sensor:** Equipped with an Ultra HD 4K sensor and Obsidian 4 Dual Core Processor for high resolution, fast optics, and millions of vivid colors.

- **Ballistic Calculator:** Ensures shot accuracy by considering range, wind, angle to target, temperature, and humidity for expert long-range shots.
- **Dual Stream Video Recording:** Streams video to your mobile device in HD resolution while simultaneously recording to an internal SD card.
- **Enhanced HD Night Vision Mode:** Provides clear visibility in low-light and nighttime conditions.
- **Ultra Low Power Profile:** Offers 18+ hours of continuous operation on a single charge.
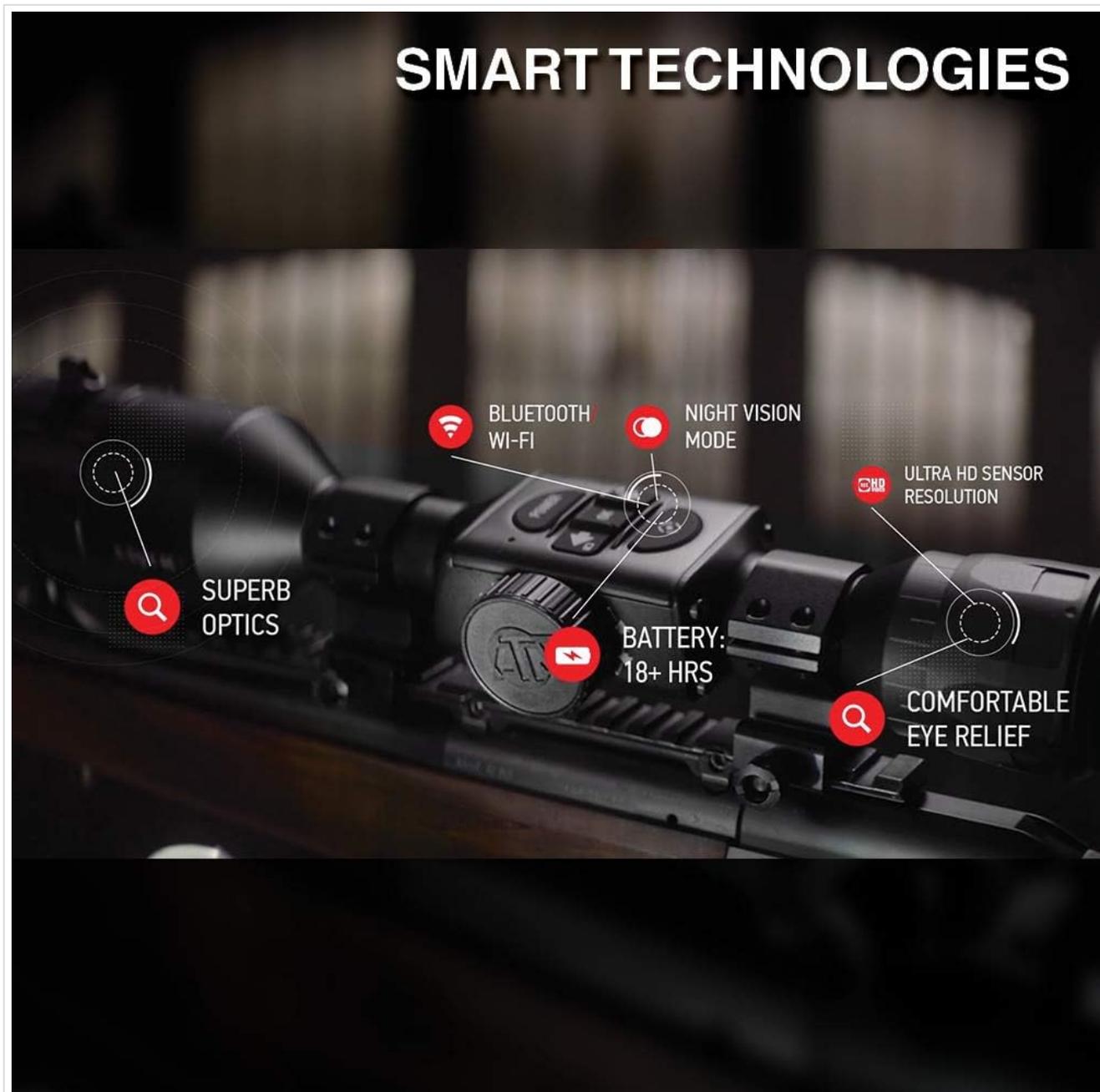- **RAV (Recoil Activated Video):** Automatically records video before and after a shot is taken.

Figure 2: Overview of Smart Technologies including Bluetooth, Wi-Fi, Night Vision Mode, Ultra HD Sensor, 18+ hour battery, and Comfortable Eye Relief.

2. SETUP

2.1 Mounting the Riflescope

The ATN X-Sight Pro is designed to be mounted using standard 30mm rings. Ensure the rings are securely attached to your rifle's rail system (Weaver Mount compatible). Proper mounting is crucial for maintaining zero and accuracy.

While standard rings are included, some users may prefer aftermarket rings for enhanced stability.

Figure 3: The riflescope mounted with 30mm standard rings, highlighting comfortable eye relief and control buttons.

2.2 Powering On and Battery Life

The scope features an onboard lithium-ion battery providing over 18 hours of continuous operation. Charge the device using the provided USB-C charging port. For optimal performance, ensure the battery is fully charged before extended use.

Figure 4: The scope's ultra-low power consumption allows for 18+ hours of continuous use.

2.3 MicroSD Card Installation

Insert a MicroSD card (up to 64GB supported) into the designated slot for video recording and data storage. It is recommended to format the MicroSD card directly within the scope's settings for best compatibility and performance.

2.4 IR Illuminator

An IR illuminator is included for enhanced night vision capabilities. Attach it to the Picatinny rail adapter on the scope. While functional, some users may consider upgrading to a more powerful IR illuminator for extended range and clarity in complete darkness.

3. OPERATING INSTRUCTIONS

3.1 Day and Night Modes

The ATN X-Sight Pro seamlessly transitions between day and night vision modes. In day mode, the scope provides a full-color, high-definition view. In night mode, it utilizes infrared technology to deliver a clear, grayscale image in

low-light conditions. Switching between modes is typically done via the intuitive control buttons on the scope.

3.2 Ballistic Calculator

The integrated ballistic calculator is a powerful tool for precise shot placement. Input environmental factors such as range, wind speed and direction, angle to target, temperature, and humidity. The scope will then calculate the exact ballistics and adjust the aim point accordingly. For even greater accuracy, an optional ABL (Auxiliary Ballistic Laser) rangefinder can be attached to automatically transmit range data to the scope.

3.3 Video Recording and RAV

The scope supports dual stream video recording, allowing you to stream live footage to a connected mobile device (via Wi-Fi) while simultaneously recording high-definition video (1080p) to the MicroSD card. The Recoil Activated Video (RAV) feature automatically records a video segment before and after a shot is fired, ensuring you capture critical moments without manual intervention.

3.4 One-Shot Zero

The One-Shot Zero feature simplifies the sighting-in process. After firing an initial shot, the scope allows you to adjust the reticle to the point of impact on the target, effectively zeroing the scope with minimal effort.

3.5 Controls and Navigation

The scope features intuitive control buttons and smooth focus/magnification wheels for easy operation. The menu system is designed for user-friendliness, allowing quick access to various settings and features.

4. MAINTENANCE

- **Cleaning Lenses:** Use a soft, lint-free cloth and lens cleaning solution specifically designed for optics. Avoid abrasive materials that could scratch the lens coatings.
- **Body Cleaning:** Wipe the scope's body with a damp cloth to remove dirt and debris. Avoid harsh chemicals.
- **Storage:** Store the scope in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the lens caps are on to protect the optics.
- **Battery Care:** For long-term storage, it is advisable to charge the internal battery to approximately 50% to prolong its lifespan.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

Problem	Possible Cause	Solution
Scope not powering on.	Low battery or faulty charging cable.	Ensure battery is fully charged. Try a different USB-C cable and power source.
Grainy or unclear image.	Improper focus, dirty lens, or extreme digital zoom.	Adjust focus rings. Clean lenses. Reduce digital zoom if image quality degrades.
Wi-Fi connectivity issues.	Interference, incorrect settings, or app issues.	Ensure scope Wi-Fi is enabled. Restart both scope and mobile device. Check app permissions.
Video recording not working.	No MicroSD card, full card, or unformatted card.	Insert a MicroSD card. Ensure it has sufficient space. Format the card in the scope's settings.
Scope freezing or software glitches.	Software bug or corrupted firmware.	Perform a factory reset (refer to the full user manual for instructions). Check for firmware updates on the ATN website.

6. SPECIFICATIONS

Feature	Detail
Brand	ATN
Model Name	3-14x X-Sight 4K Pro Digital Night Vision Riflescope (Matte Black)
Style	3-14x
Color	Black

Feature	Detail
Magnification Minimum	3 x
Magnification Maximum	14 x
Objective Lens Diameter	30 months
Item Weight	2.1 Pounds
Material	Aluminum
Night Vision	Yes
Compatible Devices	Rifle
Mounting Type	Weaver Mount
Reticle Type	Digital
Operating Temperature	-20°F to +120°F / -28°C to 48°C
Included Components	Riflescope, IR Illuminator, 30mm Standard Rings

7. WARRANTY AND SUPPORT

The ATN X-Sight Pro Smart Day/Night Hunting Scope comes with a **2-year warranty** from the manufacturer, American Technology Corp (ATN). For detailed warranty information, technical support, or service requests, please refer to the official user manual or contact ATN customer service.

You can download the full User Manual in PDF format here.