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ATN TIMNBLS210

ATN BlazeSeeker-210 Thermal Imaging Monocular User Manual

Model: TIMNBLS210

INTRODUCTION

The ATN BlazeSeeker-210 Thermal Imaging Monocular is a compact and powerful device designed for enhanced visibility in various conditions. Featuring a 256x192 thermal sensor with 12 micron pixel size and a <35 NETD rating, it provides clear thermal imagery up to 460 meters. This monocular offers multiple color palettes, video recording, photo capture, and Wi-Fi connectivity for seamless integration with smart devices. Its low power consumption ensures up to 9 hours of continuous operation, making it ideal for extended use.

WHAT'S IN THE BOX

- USB-C CABLE
- SOFT CARRYING CASE
- ATN BlazeSeeker-210 Thermal Imaging Monocular

KEY FEATURES

- **Quality Thermal Sensor:** 256x192 (25 HZ) 12 μm (microns) pixel size and a 7 mm and 10mm lens for detection range up to 460m.
- **NETD Rating <35mK:** Low NETD rating for good sensitivity to temperature variations, creating an overall better image.
- **Multiple Viewing Modes:** Five color palettes to choose from: White Hot, Black Hot, Iron Red, Alarm, Sepia, and Green Hot for a custom viewing experience.
- **Video Record and Photo:** Built-in still image and video recording capabilities. Videos and pictures can be stored on a MicroSD card with a capacity of up to 256GB.
- **Built-in Wi-Fi and App Connectivity:** Wireless connect to smartphone and App to adjust the monocular, take photos, or record thermal video directly from the smartphone.

SETUP

1. **Unpacking:** Carefully remove the ATN BlazeSeeker-210 monocular and all accessories from the packaging. Inspect for any damage.
2. **Charging the Battery:** The monocular includes a built-in Lithium Ion battery. Connect the provided USB-C cable to the monocular's charging port and to a compatible USB power source (e.g., wall adapter, computer USB port). The charging indicator will show the charging status. Ensure the device is fully charged before first use for optimal battery life.
3. **Inserting MicroSD Card (Optional):** For video recording and photo storage, insert a MicroSD card (up to 256GB, not included) into the designated slot. Ensure the card is inserted correctly according to the diagram near the slot.
4. **Power On/Off:** Press and hold the power button (usually marked with a power symbol) to turn the device on or off.

OPERATING INSTRUCTIONS

Basic Operation

1. **Viewing:** Hold the monocular to your eye and adjust the diopter (if available) for a clear view of the display.
2. **Focus Adjustment:** Rotate the focus ring on the objective lens to achieve a sharp image of your target.
3. **Zoom:** Use the designated zoom buttons (often marked with '+' and '-' or up/down arrows) to adjust the magnification.

Viewing Modes

The BlazeSeeker-210 offers multiple color palettes to optimize viewing for different environments and preferences. Cycle through these modes using the dedicated mode button (refer to your device's button layout for exact location).

- **White Hot:** Hot objects appear white, colder objects appear black.
- **Black Hot:** Hot objects appear black, colder objects appear white.
- **Iron Red:** Displays a spectrum of colors from black to red to yellow, indicating temperature differences.
- **Alarm:** Highlights the hottest areas in a distinct color.
- **Sepia:** Provides a warm, brown-toned image.
- **Green Hot:** Displays a green-toned image, often preferred for reduced eye strain during prolonged use.



Image: The ATN BlazeSeeker-210 Thermal Monocular in use, demonstrating various thermal viewing modes like green hot, black hot, and a thermal sensor overlay.

Your browser does not support the video tag.

Video: An official overview of the ATN BlazeSeeker Thermal Hunting Monocular, showcasing its features and thermal imaging capabilities in various modes.

VIDEO RECORDING AND PHOTO CAPTURE

The monocular allows you to capture still images and record videos directly to an inserted MicroSD card.

1. **Taking a Photo:** Briefly press the photo capture button (usually a dedicated button or a short press of a multi-function button). The screen may briefly flash or display an icon to confirm capture.
2. **Recording Video:** Press the video record button (often a dedicated button or a long press of a multi-function button) to start recording. Press it again to stop recording. A recording indicator (e.g., a red dot or timer) will typically appear on the display during recording.
3. **Accessing Media:** Captured photos and videos can be reviewed on the device or by connecting the monocular to a computer via USB-C, or by removing the MicroSD card and inserting it into a card reader.

VIDEO RECORD AND PHOTO



Image: The ATN BlazeSeeker-210 Thermal Monocular demonstrating its video record and photo capabilities, with a smartphone showing captured thermal footage.

Wi-Fi AND APP CONNECTIVITY

The ATN BlazeSeeker-210 can connect wirelessly to your smartphone via Wi-Fi, allowing you to control the monocular, view live footage, and manage media through a dedicated mobile application.

1. **Download the App:** Download the official ATN app from your smartphone's app store (iOS or Android).
2. **Enable Wi-Fi on Monocular:** Turn on the Wi-Fi feature on your BlazeSeeker-210 (refer to the device's menu for the Wi-Fi setting).
3. **Connect to Wi-Fi:** On your smartphone, go to Wi-Fi settings and connect to the network broadcast by your monocular (e.g., "ATN_BlazeSeeker_XXXX"). The default password is often "12345678" or found in the device's menu.
4. **Launch App:** Open the ATN app. It should automatically detect and connect to your monocular, providing access to live view, settings, and media management.

BUILT-IN WI-FI AND APP CONNECTIVITY



Image: The ATN BlazeSeeker-210 Thermal Monocular highlighting its built-in Wi-Fi and app connectivity features.

MAINTENANCE

- **Cleaning:** Use a soft, lint-free cloth to clean the exterior of the monocular. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials.
- **Storage:** Store the monocular in its soft carrying case in a cool, dry place when not in use. Avoid extreme temperatures and humidity.
- **Battery Care:** For long-term storage, ensure the battery is charged to approximately 50%. Recharge periodically if stored for extended periods to prevent deep discharge.
- **Firmware Updates:** Periodically check the ATN website for firmware updates. Follow the instructions provided by ATN for safe and proper firmware installation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the battery using the provided USB-C cable.
Image is blurry or out of focus.	Improper focus adjustment.	Adjust the objective lens focus ring and diopter for your vision.
Cannot connect to Wi-Fi/App.	Wi-Fi not enabled on monocular; incorrect password; app not updated.	Ensure Wi-Fi is enabled on the device. Verify Wi-Fi password. Update the ATN app to the latest version.
Cannot record video or take photos.	No MicroSD card inserted or card is full/corrupted.	Insert a compatible MicroSD card. Check card capacity and format if necessary.
Short battery life.	Frequent use of power-intensive features (Wi-Fi, recording); battery degradation.	Reduce use of Wi-Fi and continuous recording. Ensure full charge before use. If battery life significantly degrades, contact support.

SPECIFICATIONS

Feature	Detail
Thermal Sensor	256x192 (25 Hz)
Pixel Size	12 µm
NETD Rating	<35mK
Detection Range	Up to 460 meters
Magnification	1.5-12x
Color Palettes	White Hot, Black Hot, Iron Red, Alarm, Sepia, Green Hot
Video Recording	Yes
Photo Capture	Yes
Storage	MicroSD card up to 256GB
Wi-Fi	Yes (App Connectivity)
Battery Life	Up to 9 hours
Product Dimensions	5.9 x 2 x 2.2 inches
Item Weight	9.6 ounces
Item Model Number	TIMNBLS210
Battery Type	1 Lithium Ion (included)

COMPACT AND LIGHTWEIGHT



5.9" x 2.2" x 2" / 0.6 lb
pocket-sized precision

Image: The compact and lightweight design of the ATN BlazeSeeker-210 Thermal Monocular, illustrating its dimensions and portability.

LOW POWER CONSUMPTION



Image: The ATN BlazeSeeker-210 Thermal Monocular highlighting its low power consumption, providing over 9 hours of operation.

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official ATN website. For technical support, product inquiries, or service, please contact ATN customer support directly. Contact details can typically be found on the manufacturer's website or in the product packaging.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.