



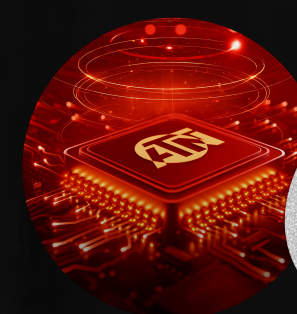
THE FUTURE
OF OPTICS



FROM HUNT TO SEARCH — FULL HD 1280X1024
PRECISION YOU CAN HOLD ONTO

BlazeHunter XD

EXTREME DEFINITION [1280×1024]
THERMAL MONOCULAR



6TH GENERATION

SHARPER, SMARTER, STRONGER



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BlazeHunter XD

PRODUCT OVERVIEW



Experience the next evolution in thermal optics with the ATN BlazeHunter XD — a high-performance thermal monocular engineered for hunters, professionals, and outdoor adventurers who demand unmatched clarity and reliability.

Powered by **ATN's 6th Generation** thermal engine — our most advanced core yet — the BlazeHunter XD features a 1280×1024 high-definition thermal sensor with 12μm pixel pitch and an ultra-sensitive sub-15mK NETD rating. With over a million more pixels than standard thermal optics, it delivers razor-sharp imagery and detects even the most subtle temperature changes.

ATN's proprietary SharpIR® AI-enhanced imaging system takes clarity even further by dynamically sharpening your view in real time. Whether it's total darkness, dense fog, or heavy brush, BlazeHunter XD cuts through it all — exposing hidden heat signatures with surgical precision.

Designed for versatility, the BlazeHunter XD adapts to any mission or terrain with multiple viewing modes and a built-in laser rangefinder for pinpoint distance measurement. Capture photo and video footage on the fly, and instantly share it via onboard Wi-Fi connectivity.

Lightweight, rugged, and feature-packed, the BlazeHunter XD is built for everything from tracking game and patrolling property to navigating open water and remote trails. **This is not just thermal — it's ATN innovation in action.**

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FEATURES



ULTRA-HD 6TH GENERATION THERMAL CORE WITH PRECISION SENSITIVITY

At the heart of the BlazeHunter XD is ATN's most powerful thermal engine yet — a 1280×1024 sensor with a 12µm pixel pitch and ultra-sensitive sub-15mK NETD rating. This advanced core delivers over a million more pixels than standard thermal devices, capturing finer details and even the slightest temperature shifts for unmatched clarity in any environment.





FULL HD OLED DISPLAY — PREMIUM CLARITY, BUILT FOR PRECISION

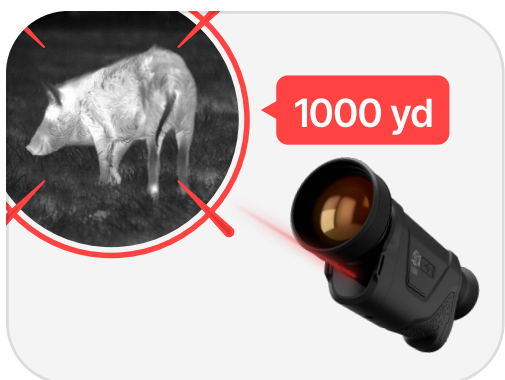
A stunning 0.49-inch 1920×1080 OLED display delivers crisp, true-to-life visuals with exceptional contrast and depth — day or night. OLED technology offers richer blacks, sharper highlights, and faster response times, making it the ideal display for thermal imaging where precision matters most. With over **300% more visual detail** than standard 800×600 viewers, the high-resolution screen makes it easier to spot fine details, track heat signatures, and stay locked on target in any environment.





BUILT-IN LASER RANGEFINDER (LRF) — PRECISION FOR EVERY SITUATION

A seamlessly integrated laser rangefinder delivers fast, accurate distance measurements on demand. Whether you're lining up the perfect shot, scanning terrain from a patrol vehicle, navigating open water, or assessing a perimeter in low visibility, precise ranging gives you the clarity to act with confidence. Designed for hunters, law enforcement, border patrol, boaters, and outdoor professionals alike — it's a critical advantage in any environment.





ONBOARD VIDEO & AUDIO RECORDING — CAPTURE EVERY MOMENT

Record high-quality video with sound using the built-in microphone and internal storage. Whether it's a once-in-a-lifetime hunt, a critical patrol operation, or an unforgettable wildlife encounter, you can relive every moment — complete with audio. With 32GB of onboard memory and easy file transfers via USB-C, there's no need for expensive SD cards or extra accessories.





SHARPIR® AI-ENHANCED IMAGING

ATN's proprietary SharpIR® technology uses advanced AI algorithms to analyze and enhance your view in real time — sharpening image detail, improving contrast, and revealing targets with greater clarity. Whether you're navigating dense brush, scanning through fog, or operating in total darkness, SharpIR® ensures your thermal feed stays crisp, clear, and focused.





EXTENDED BATTERY LIFE — POWER THAT LASTS

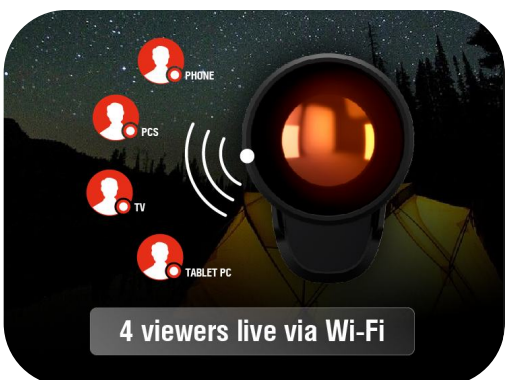
BlazeHunter's energy-efficient, replaceable battery system includes two rechargeable batteries and a dedicated charger, providing up to 10+ hours of continuous operation. Whether you're deep in the field, tracking overnight, or on extended patrol, you'll have the long-lasting power you need to stay focused and in control.





WI-FI CONNECTIVITY

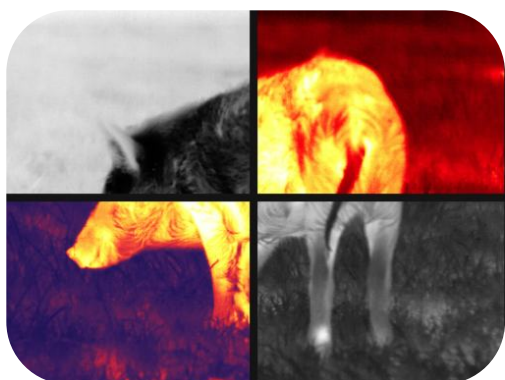
With built-in Wi-Fi, you can wirelessly connect the device to your smartphone or tablet via the ATN app, turning your mobile device into a real-time viewfinder. Whether you're hunting with a partner, birdwatching with friends, or coordinating in the field during patrol or search operations, it lets you quickly share what you're seeing — right on the spot. No cables, no internet required — just instant local visibility when it counts.





MULTIPLE COLOR MODES — TAILORED VISIBILITY, ANY ENVIRONMENT

Customize your view with six dynamic color palettes: White Hot, Black Hot, High Red, Iron Red, Green Hot, and Sepia. Whether you're tracking heat signatures through brush, scanning in low light, or adjusting for eye comfort, these options let you adapt your display for enhanced detection, faster recognition, and greater visibility — wherever your mission takes you.



THE POWER BEHIND 6th GENERATION



- **SHARPER VISION**
- **SMARTER PERFORMANCE**
- **STRONGER DESIGN**

SHARPER:

At the heart of 6th Generation is ATN's revolutionary, proprietary SharpIR® AI-enhancement — redefining what thermal clarity can be. This cutting-edge technology scans and optimizes every pixel in real time, sharpening heat signatures with unmatched precision.

The result? You see more. Faster. Farther. And with detail that was once impossible.

SMARTER:

Built on a next-gen processing platform and powered by state-of-the-art components, 6th Generation unlocks the next wave of intelligent features and adaptive performance — designed to meet the evolving demands of modern hunters, professionals, and tactical operators.

It works as smart as you do — giving you the edge when it counts.

STRONGER:

6th Generation represents a major leap in rugged durability and long-term reliability. With improved thermal regulation, upgraded high-transmission optics, lower power draw, and quick responsiveness — all wrapped in a hardened, shockproof housing built for field abuse.

This isn't just progress. It's what we do best.

BUILT FOR THIS:



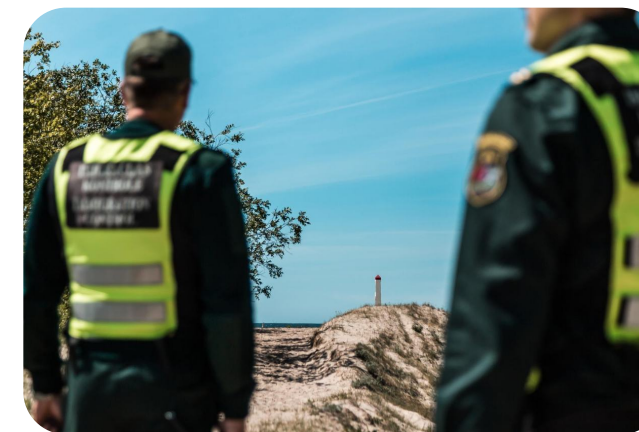
HUNTERS & RANCHERS

Track wildlife, monitor land, and detect movement across wide open spaces — day or night. Whether you're lining up a shot or keeping an eye on livestock and property, BlazeHunter XD gives you clear thermal visibility when it matters most.



BOATERS, MARINERS & WATER PATROL

Navigate with confidence in fog, darkness, or rough weather. Thermal imaging helps you detect vessels, floating debris, shorelines, or people overboard — even when visibility drops to zero. Ideal for recreational boaters, fishermen, and maritime patrol alike.



LAW ENFORCEMENT, BORDER PATROL & SEARCH AND RESCUE

Enhance situational awareness during patrols, perimeter sweeps, or rescue missions in darkness or low visibility. Detect movement, locate heat signatures, and respond faster — with zero light required.



CAMPERS & OUTDOOR EXPLORERS

Scan your surroundings at night to stay aware of wildlife or movement around your camp. Whether you're on the trail or setting up for the night, BlazeHunter XD keeps you alert and prepared.



INDUSTRIAL & UTILITY USE

Assess equipment and infrastructure with precision by identifying hotspots or overheating components. Ideal for remote inspections in energy, agriculture, or heavy industry — from wind turbines to pump stations.



INCLUDED IN THE BOX



ATN Monocular



ATN Pouch



USB Cable



Wrist Strap



Eyecup



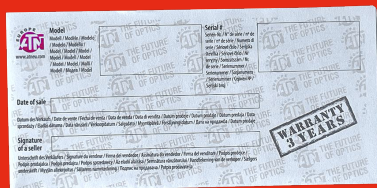
Lens Tissue



Neck Strap



Quick Start Guide
User Manual



Warranty Card

SPECIFICATIONS

Detector Type	I 12μm VOx Uncooled Focal Plane Array
Sensor Resolution	I 1280×1024 Full High Definition
Refresh Rate	I 50 Hz
Thermal Sensitivity (NETD)	I ≤15mK
SharpIR©	I Yes
Field of View (HxV)	I 17.46° x 14.01°
Lens System	I 50mm (Ge); F/1.0
Detection Range	I 3400 y/m
Magnification	I 2-16x
Digital Zoom	I 1x, 2x, 4x, 8x
Display	I 1920×1080 Resolution, 0.49" OLED
Diopter Adjustment Range	I -5 to +5D
Laser Rangefinder	I Built-in; range up to 1,000m with ±1m accuracy
Laser Specs	I 905nm, Class 1 (Eye Safe)
Color Palettes	I White Hot, Black Hot, High Red, Green Hot, Sepia, Ironbow
Video / Audio Recording	I Yes / Yes
Image Capture	I Yes
Scene Modes	I Yes
Hot Point Tracking	I Yes
Standby / Sleep Mode	I Yes / Yes
Built-in Wi-Fi Hotspot	I Yes
Media Output	I USB Type-C
Internal Storage Capacity	I 32GB
Non-Uniformity Correction (NUC)	I Auto, Semi, Manual
App (App store/Google Play)	I Yes / ATN Blaze
Battery Type	I Removable 18650 (rechargeable)
Batteries Included	I Yes, 2x
Battery Life	I 5+ hrs per battery; 10+ hrs total
Supports External Power Supply	I Yes, 5 VDC/2A, USB Type-C interface
Waterproof / IP Rating	I IP67
Working Temperature	I -30°C to 55°C (-22°F to 131°F)
Material	I Magnesium alloy
Dimensions (L x W x H)	I 202x81x61 mm (7.95x3.19x2.40 in)
Weight (w/o battery)	I 495 g (1.1 lb)



* ATN reserves the right to change the above specifications at any time without notice