

Nova Series

Thermal Imaging Scope

Built Light, Built Strong

outdoor

Introduction

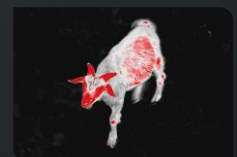
The Nova Series thermal imaging scope is designed for hunters seeking high performance and portability. It offers a variety of resolutions and lens options to meet diverse scene requirements. The lightweight yet durable design weighs only 500g, making it easy to carry. A 10-minute quick charge allows for 1 hour of continuous use, and the hot-swappable battery ensures you won't miss any key moments.

Features

- **Highly sensitive:** 12μm infrared detector, NETD reaches 20mK
- **Lightweight design:** Slim and lightweight body, providing easy portability and comfortable handling
- **Long operating time:** 8 hours of operation, supports 20W quick charging and hot-swappable 18500 batteries
- **Smart recording:** Recoil-activated photos and video recording, capturing the moments before and after the shot
- **Rugged and durable:** IP67 waterproof and dustproof, 6000J recoil resistance
- **WiFi connection:** 2.4G/5G dual-band, enabling more efficient data transmission
- **Powerful APP:** Paired with TargetIR APP and TargetIR Ballistic APP for OTA firmware upgrade and ballistic calculation

Applications

- Night Hunting
- Law Enforcement
- Search & Rescue
- Personal Security



Specifications



Product model	N219	N225	N425	N435
Sensor				
Type	Uncooled VOx Infrared Detector, 8 to 14μm			
Resolution	256×192@12μm		400×300@12μm	
NETD	25mK		20mK	
Frame rate	50Hz			
Lens				
Objective lens	19mm, F1.0	25mm, F1.0		35mm, F1.0
Field of view	9.2°×6.9°	7°×5.3°	11°×8.2°	7.9°×5.9°
FOV m@100m	16×12	12×9	19×14	13×10
Magnification	2.8x~11.2x	3.6x~14.4x	2.3x~9.2x	3.3x~13.2x
Detection range	1000m / 1090yd	1300m / 1400yd		1800m / 1950yd
Focus	Manual			
Display				
Display type	0.39" AMOLED 1024×768			
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia			
Eyepiece	Eye relief: 48mm; Diopter -5 to +5; Zoom: 14x			
Hardware				
WIFI	2.4G, 5G			
Interface	USB-C			
Others	Microphone, Bluetooth			
System				
Recording function	Photo/Video (Audio recording included)			
Memory capacity	32GB			
Power				
Battery type	Customized Battery (Built-in) and 18500 Battery (External)			
Operating time	8 hours		7.5 hours	
Environmental				
Operating temp.	-20°C to 50°C / -4°F to +122°F			
Shock	6000J			
Encapsulation	IP67			
Physical				
Weight (g/oz)	509 / 17.95	506 / 17.85	556 / 19.61	560 / 19.71
Size (mm/in)	222.5×73×57.5 / 8.76×2.87×2.26		245×73×57.5 / 9.65×2.87×2.26	
Standard	Device, lens cover, eye mask, 18500 battery ×2, battery charger, USB-C to USB-C cable, quick-release scope mount, quick start guide, warranty card			
Optional	Bluetooth laser rangefinder, wired laser rangefinder			

* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors. All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.