

Nova Series

Thermal Imaging Scope

Built Light, Built Strong

outdoor **APEX
VISION**

Introduction

The Nova Series thermal imaging scope is designed for hunters seeking high performance and portability. 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

- o **APEXVISION:** Next-gen infrared imaging system for ultra-clarity & precision
- o **Highly sensitive:** 12 μ m infrared detector, NETD reaches 15mK
- o **Lightweight design:** Slim and lightweight body, providing easy portability and comfortable handling
- o **Long operating time:** 8 hours of operation, supports 20W quick charging and hot-swappable 18500 batteries
- o **Smart recording:** Recoil-activated photos and video recording, capturing the moments before and after the shot
- o **Rugged and durable:** IP67 waterproof and dustproof, 6000J recoil resistance
- o **WiFi connection:** 2.4G/5G dual-band, enabling more efficient data transmission
- o **Powerful APP:** Paired with TargetIR APP and TargetIR Ballistic APP for OTA firmware upgrade and ballistic calculation

Applications

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



Specifications

Product model	N635S
Sensor	
Core Technology Item	Equipped with full ApexVision S1 system architecture: Detector ApexCore S1 + Platform Nexus 1.0 + Algorithm Hyper-Light 2.0
Type	Uncooled VOx Infrared Detector, 8 to 14μm
Resolution	640×512@12μm
NETD	15mK
Frame rate	50Hz
Lens	
Objective lens	35mm, F0.9
Field of view	12.5°×9.4°
FOV m@100m	22×17
Magnification	2.0x-16x
Detection range	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 (Charge/USB2.0)
Others	Microphone, Bluetooth
System	
Recording function	Photo/Video (Audio recording included)
Memory capacity	64GB
Power	
Battery type	Customized Battery(Built-in) and 18500 Battery(External)
Operating time	8 hours
Environmental	
Operating temp.	-20°C to 50°C / -4°F to +122°F
Shock	6000J
Encapsulation	IP67
Physical	
Weight (g/oz)	525/18.51
Size (mm/in)	228×72×60/8.98×2.83×2.36
Standard	Device, Eye mask, Quick-Release Scope Mount, Carry Bag, Lint-Free Cloth, Battery Charger, 18500 Battery ×2, Quick Charging Adapter (US, UK, Australia, and Europe), USB-C to USB-C Cable, Quick Start Guide, Warranty Card
Optional	Bluetooth Remote Control, 18500 Battery

* 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.