

# RattlerV<sup>3</sup> LRF 50-640

## THERMAL IMAGING RIFLE SCOPE

Although it seems like just yesterday the celebrated AGM Rattler thermal riflescope family got upgraded with the introduction of the RattlerV2's, the NEW RattlerV3 LRF testifies to the fact that evolution never stops. The RattlerV3 LRF 50-640 pairs a 50 mm Germanium lens with an industry-leading sub-15mK thermal sensor and a new 2560x2560 high resolution display, which combines to produce the best 640 resolution thermal image. These technical parameters work together to produce a detection range 2.2 miles. The RattlerV3 LRF also brings the once inconceivable new in-lens LRF technology to the compact Rattler series. A fully integrated 1,000m laser rangefinder is paired with a new on-board ballistic calculator. A newly designed eyepiece gives the RattlerV3 LRF 50-640 a base magnification of 3.5X, making it an optimal option for predator hunters in wide-open terrain, which entices longer range engagements. Its also the first Rattler ever to come with a shutterless NUC and AGM's powerful new Image Boost 2.0 imaging algorithm. Large, sturdy buttons and a manual focus ring were designed to aid gloved fingers in cold winter weather, while the removable rechargeable NE-4400 battery offers one of the most robust and easy to install battery systems on the market. The firmware package allows users an amazing level of customization: on-board pitch scale, 10 brightness and contrast settings, warm & cold viewing modes, multiple color palettes, picture in picture, ballistic calculation, on-board video recording with sound, WiFi hotspot, multiple zeroing profiles, shot activated video recording, defective pixel repair, hotspot locator and multiple laser range finding modes. Also included is an American-made ADM mounting system.

- Superior sub-15 milikelvin thermal sensitivity
- 640x512 resolution with 12-micron sensor
- Built-in 1,000m laser rangefinder in the lens
- Integrated ballistic calculator
- Large OLED display with 2560x2560 resolution
- Shutterless technology
- Various reticle types and colors
- 3.5x to 28x magnification
- On-board video/audio recording and image capture
- Built-in EMMC storage (64 GB)
- Shot-Activated Recording (SAR)
- Wi-Fi data transmission
- Standby mode
- Over 5.5 hours battery life
- External power supply compatibility
- Waterproof & shockproof
- 5-year warranty



Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.

## SPECIFICATIONS

Image Sensor	12µm VOx Uncooled Focal Plane Array
Resolution	640x512
Refresh Rate	50 Hz
NETD	Less than 15 mK (@25°C, F# = 1.0)
Detection Range (6' object)	3540 m (3870 yd)
Lens System	50 mm; F/1.0
Magnification	3.5x - 28x
Field of View (H x V)	8.7° x 7.0° (15.2 x 12.3 @ 100 m)
Exit Pupil	6 mm
Eye Relief	45 mm
Diopter Adjustment	-5 D to 5 D
Minimum Focusing Distance	15 m
Display	2560x2560, 1.03 inch, OLED
Picture-in-Picture (PIP)	Yes
Hot Tracking	Yes
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Image Boost 2.0	Yes
Zoom Pro	Yes
Shutterless Technology	Yes
Flat Field Correction (FFC)	Semi-Auto, Manual
Defective Pixels Correction (DPC)	Yes
Distance Measurement	Yes (Built-In Laser Rangefinder (10 m to 1000 m, ±1 m accuracy))
Ballistic Calculation	Yes
Reticle	10 types, 4 colors, on/off
Zeroing Profiles	5
Freeze Zeroing	Yes
WiFi Hotspot	Yes
Video Recording	Yes (1280 x 1280)
Image Capture	Yes (1280 x 1280)
Audio Recording	Yes
Shot-Activated Recording (SAR)	Yes
Storage	Built-in EMMC (64 GB)
Local Album	Yes
Standby Mode	Yes
Battery Type	One replaceable rechargeable NE-4400 Li-Ion battery (two NE-4400 batteries included)
Battery Life (operating)	≥5.5h (25 °C, hotspot off)
External Power Supply	5V DC/2 A
Operating Temperature	-30°C to +55°C (-22°F to 131°F)
Max. Recoil	1000 g/0.4 ms
Protection Level	IP67
Dimensions	239 x 72 x 70 mm (9.4 x 2.8 x 2.8 in)
Weight (w/o battery)	0.77 kg (1.7 lb)

**Package Includes:** Thermal Imaging Scope, Mount (non-QRM), Two NE-4400 Batteries, NE-4400 Charger, USB Cable, Lens Cloth, Manual, QSG, Carrying Case.

*\* Specifications are subject to change without notice. Images are for illustration purposes only.*



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