

# 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 50mm 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 50-640 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 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, manual focus, 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

Detector	12µm Uncooled Focal Plane Arrays
Resolution	640x512
Refresh Rate	50 fps
NETD	≤15 mK
Focal Length	50 mm
Detection Range (6' object)	3,540 m
Min. Focusing Distance	15 m
Aperture	F 1.0
Magnification	3.5x - 28x
Digital Zoom	1x, 2x, 4x, 8x
Field of View (H × V)	8.7° × 7.0° (15.2 m × 12.3 m@100 m)
Display	2560x2560, 1.03 inch, OLED
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
FFC (Flat Field Correction) Mode	Semi-Auto, Manual
Exit Pupil	6 mm
Eye Relief	45 mm
Diopter	-4 D to 3 D
Tone Adjustment	Cold, Warm
Image Boost 2.0	Yes
Zoom Pro	Yes
Shutterless	Yes
Record Video	On-board video recording, 1280x1280
Capture Snapshot	Yes, 1280x1280
Standby Mode	Yes
Storage	Built-in EMMC (64 GB)
Picture-in Picture (PIP)	Yes
Defective Pixel Correction (DPC)	Yes
WiFi Hotspot	Yes
Hot Track	Yes
Reticles	10
Zeroing Profiles	5
Freeze Zeroing	Yes
Distance Measurement	Built-in Laser Rangefinder
Ballistic Calculation	Yes
Audio Recording	Yes
Recoil-activation Recording	Yes
Local Album	Yes
Max. Recoil	1000g / 0.4ms
Battery Type	NE-4400 Replacable and Rechargeable Li-ion Battery (4,400 mA)
Battery Operating Time	≥5.5 h (25°C, with hotspot off)
Type-C Power Supply	5V DC/2A Supports external power supply
Work Temperature	-30°C to 55°C (-22°F to 131°F)
Protection Level	IP67
Dimensions	239 × 72 × 70 mm ( 9.4 × 2.8 × 2.75 in )
Weight (without Battery)	770 g (1.7 lb)
Laser Safety Class	Class1
Wavelength	905 nm
Measuring Range	10 m to 1000 m
Measurement Accuracy	±1 m

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



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