

# SECUTOR LRF

## THERMAL IMAGING RIFLESCOPE WITH LASER RANGEFINDER

The NEW Secutor LRF's were built to expand and diversify the line of rangefinder equipped thermal riflescopes in the AGM assortment. Though the Secutor LRF series will utilize the same upgraded thermal sensors that can be found across the majority of AGM's new products, the three primary differences include an upgraded 1000m laser rangefinder, a digital compass and utilization of a CR123A based power system. These differences, while primarily aimed at more non-commercial tactical applications, still offer both extended ranging and battery familiarity to commercial predator hunters as well. The extended range of the LRF, when paired with the non-proprietary CR123A power system, helps make the Secutor LRF's a great option for different law enforcement and defense applications. Meanwhile, the integrated compass gives shooters an added layer of situational and positional awareness. The newly introduced sub-20 mK thermal sensors will aid users in these tactical scenarios by increasing their ranging capabilities, as well as increase their ability to both detect and identify targets at longer distances. With both 50 and 75 mm options, the Secutor LRF's provide more authenticity than ever to the phrase: long range.

- 12 $\mu$ m thermal detector
- High thermal sensitivity, NETD < 20mK
- Fast 50Hz imaging
- Built-in laser rangefinder
- Adjustable color palettes
- High resolution OLED display
- Various reticle types and colors
- 1x, 2x, 4x, 8x digital zoom
- On-board video/audio recording and image capture
- Built-in EMMC storage (16 GB)
- Wi-Fi data transmission
- Standby mode
- More than 6 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

	Secutor LRF 35-384	Secutor LRF 50-640	Secutor LRF 75-640
Image Sensor	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array
Resolution	384 × 288	640 × 512	640 × 512
Refresh Rate	50 Hz	50 Hz	50 Hz
Response Waveband	8 µm to 14 µm	8 µm to 14 µm	8 µm to 14 µm
NETD	Less than 20 mK (@25°C), F#=1.0	Less than 20 mK (@25°C), F#=1.0	Less than 20 mK (@25°C), F#=1.0
Detection Range (6' object)	1,800 m/yd	2,600 m/yd	3,800 m/yd
Lens System	35 mm; F/1.0	50 mm; F/1.0	75 mm; F/1.2
Magnification	3x – 24x	2.5x – 20x	4x – 32x
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Field of View (H×V)	7.5° × 5.6°	8.8° × 7.0°	5.9° × 4.7°
Eye Relief	45 mm	45 mm	45 mm
Exit Pupil	6 mm	6 mm	6 mm
Dioptr Adjustment	-5D to +3D	-5D to +3D	-5D to +3D
Display	1024x768, 0.39 inch, OLED	1024x768, 0.39 inch, OLED	1024x768, 0.39 inch, OLED
Picture-in-Picture (PiP)	Yes	Yes	Yes
Hot Tracking	Yes	Yes	Yes
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Scene Modes	Yes	Yes	Yes
Brightness Adjustment	Yes	Yes	Yes
Contrast Adjustment	Yes	Yes	Yes
Sharpness Adjustment	Yes	Yes	Yes
Tone Adjustment	Yes	Yes	Yes
Flat Field Correction (FFC)	Auto, Manual, External Correction	Auto, Manual, External Correction	Auto, Manual, External Correction
Defective Pixels Correction (DPC)	Yes	Yes	Yes
Burn Prevention	Yes	Yes	Yes
Laser Range Finder	Up to 1000 m, ±4 m accuracy	Up to 1000 m, ±4 m accuracy	Up to 1000 m, ±4 m accuracy
Laser Wavelength	905 nm	905 nm	905 nm
Laser Safety Class	Class 1	Class 1	Class 1
Ballistic Calculation	Yes	Yes	Yes
Reticle	10 types, 4 colors, on/off	10 types, 4 colors, on/off	10 types, 4 colors, on/off
Boresight Adjustment	Digital Controlled	Digital Controlled	Digital Controlled
WiFi Hotspot	Yes	Yes	Yes
Video Recording	Yes	Yes	Yes
Image Capture	Yes	Yes	Yes
Audio Recording	Yes	Yes	Yes
Shot Activated Recording (SAR)	Yes	Yes	Yes
Storage	Built-in EMMC (16 GB)	Built-in EMMC (16 GB)	Built-in EMMC (16 GB)
Standby Mode	Yes	Yes	Yes
Battery Type	Four CR123A Lithium batteries	Four CR123A Lithium batteries	Four CR123A Lithium batteries
Battery Life (operating)	More than 7 hours	More than 6 hours	More than 6 hours
External Power Supply	5 VDC/2 A, USB Type-C	5 VDC/2 A, USB Type-C	5 VDC/2 A, USB Type-C
Operating Temperature	-30°C to 55°C (-22°F to 131°F)	-30°C to 55°C (-22°F to 131°F)	-30°C to 55°C (-22°F to 131°F)
Max/ Recoil	1,000 g / 0.4 ms	1,000 g / 0.4 ms	1,000 g / 0.4 ms
Protection Level	IP67	IP67	IP67
Dimensions (w/o mount)	215 × 101 × 74 mm (8.5 × 4.0 × 2.9 in)	227 × 104 × 74 mm (8.9 × 4.1 × 2.9 in)	261 × 111 × 79 mm (10.3 × 4.4 × 3.1 in)
Weight (w/o mount and battery)	0.6 kg (1.32 lb)	0.66 kg (1.45 lb)	0.7 kg (1.55 lb)

**Package Includes:** Thermal Imaging Rifle Scope, Mount, Four CR123A batteries, Type-C USB Cable, Lens Tissue, User Manual, Carrying Case.

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



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