

# VarmintV<sup>2</sup> LRF

## THERMAL IMAGING RIFLESCOPE WITH LASER RANGEFINDER

The VarmintV2 LRF series of thermal riflescopes from AGM utilize many of the features that shooters have come to know and love in the ever-popular Rattler product family, but with one big addition: a 600-meter integrated laser rangefinder. This feature helps alleviate a common issue many shooters find themselves experiencing when hunting with any sort of digital optic, and that is the lack of depth perception that is inherent in optics utilizing a digital screen. The VarmintV2 pairs that LRF functionality with a 12 micron sub-20 milikelvin thermal detector, which works in conjunction with a high quality 1024x768 OLED display. The VarmintV2 LRF scopes are powered by a single, non-proprietary, 18650 rechargeable battery, which provides users with 5 - 6 hours of continuous use in the field.

The compact design of the VarmintV2 LRF even allows some dual-use functionality as a handheld monocular as well, which helps in surveying your surroundings. This transition is made extremely easy because every VarmintV2 LRF comes equipped with a high-quality American-made American Defense Manufacturing quick detach mount. Pairing all these physical aspects with built-in recording, Wi-Fi compatibility through the AGM Connect app, external power options through the USB Type-C port, multiple reticle options, various color palettes, and 16GB of internal storage capacity, make the VarmintV2 LRF one of the most functionally diverse products in the AGM family.

- 12µm high-sensitivity thermal detector, NETD < 20mK
- Fast 50 Hz imaging
- 1x, 2x, 4x, 8x Digital zoom
- Adjustable color palettes
- Built-in precision eye-safe laser rangefinder
- High resolution OLED display
- Ballistic Calculator
- Various reticle types and colors
- Picture-in-Picture mode
- On-board video recording and image capture
- Built-in EMMC storage (16 GB)
- Wi-Fi data transmission
- Standby mode
- 5-6 hours battery life (depending on model)
- 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

	Varmint V <sup>2</sup> LRF 35-384	Varmint V <sup>2</sup> LRF 50-384	Varmint V <sup>2</sup> LRF 35-640	Varmint V <sup>2</sup> LRF 50-640
Detector Type	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array
Resolution	384 × 288	384 × 288	640 × 512	640 × 512
Refresh Rate	50 Hz	50 Hz	50 Hz	50 Hz
Response Waveband	8 µm to 14 µm	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)	Less than 20 mk (@25°C, F#=1.0)
Lens System	35 mm; F1.0	50 mm; F1.0	35 mm; F1.0	50 mm; F1.0
Field of View (H×V)	7.5° × 5.7°	5.3° × 4.0°	12.5° × 10.0°	8.8° × 7.0°
Magnification	3x – 24x	4.5x – 36x	2x – 16x	2.5x – 20x
Digital Zoom	Multiple 1x, 2x, 4x, 8x or Continuous	Multiple 1x, 2x, 4x, 8x or Continuous	Multiple 1x, 2x, 4x, 8x or Continuous	Multiple 1x, 2x, 4x, 8x or Continuous
Detection Range (6' object)	1,800 m/yd	2,600 m/yd	1,800 m/yd	2,600 m/yd
Eye Relief	45 mm	45 mm	45 mm	45 mm
Monitor	1024x768, 0.39 inch, OLED	1024x768, 0.39 inch, OLED	1024x768, 0.39 inch, OLED	1024x768, 0.39 inch, OLED
FFC (Flat Field Correction)	Auto, Manual, External Correction	Auto, Manual, External Correction	Auto, Manual, External Correction	Auto, Manual, External Correction
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Highest Temperature Spot Tracking	Yes	Yes	Yes	Yes
Scene Mode	Jungle, Recognition	Jungle, Recognition	Jungle, Recognition	Jungle, Recognition
Reticle	10 types, 4 colors, on/off	10 types, 4 colors, on/off	10 types, 4 colors, on/off	10 types, 4 colors, on/off
Laser Range Finder	Up to 600 m, ±1 m accuracy	Up to 600 m, ±1 m accuracy	Up to 600 m, ±1 m accuracy	Up to 600 m, ±1 m accuracy
Laser Wavelength	905 nm	905 nm	905 nm	905 nm
Laser Safety Class	Class 1	Class 1	Class 1	Class 1
Boresight Adjustment	Digital Controlled	Digital Controlled	Digital Controlled	Digital Controlled
Boresight Increment	0.13 mil / 0.44 MOA	0.09 mil / 0.31 MOA	0.22 mil / 0.73 MOA	0.15 mil / 0.51 MOA
Ballistic Calculator	Yes	Yes	Yes	Yes
WiFi Hotspot	Yes	Yes	Yes	Yes
Sleep Mode	Yes	Yes	Yes	Yes
Picture In Picture Mode	Yes	Yes	Yes	Yes
Burn Prevention	Yes	Yes	Yes	Yes
Built-in Storage	16 GB EMMC	16 GB EMMC	16 GB EMMC	16 GB EMMC
Video Recording	On-board video recording	On-board video recording	On-board video recording	On-board video recording
Image Capture	Yes	Yes	Yes	Yes
Battery Type	One 18650 (3.7V) Lithium Rechargeable Batteries	One 18650 (3.7V) Lithium Rechargeable Batteries	One 18650 (3.7V) Lithium Rechargeable Batteries	One 18650 (3.7V) Lithium Rechargeable Batteries
Battery Operating Time (WiFi off)	Over 6 hours	Over 6 hours	Over 5 hours	Over 5 hours
Battery Capacity Display	Yes	Yes	Yes	Yes
External Power	5 VDC/2 A, USB Type-C	5 VDC/2 A, USB Type-C	5 VDC/2 A, USB Type-C	5 VDC/2 A, USB Type-C
Working Temperature	-20°C to 55°C (-4°F to 131°F)	-20°C to 55°C (-4°F to 131°F)	-20°C to 55°C (-4°F to 131°F)	-20°C to 55°C (-4°F to 131°F)
Protection Level	IP67	IP67	IP67	IP67
Max. Recoil	1000 g / 0.4 ms	1000 g / 0.4 ms	1000 g / 0.4 ms	1000 g / 0.4 ms
Drop Test Height	1.5 m (4.9 ft)	1.5 m (4.9 ft)	1.5 m (4.9 ft)	1.5 m (4.9 ft)
Dimensions (w/o mount)	214 × 67 × 87 mm (8.4 × 2.6 × 3.4 in)	227 × 74 × 87 mm (8.9 × 2.9 × 3.4 in)	214 × 67 × 87 mm (8.4 × 2.6 × 3.4 in)	227 × 74 × 87 mm (8.9 × 2.9 × 3.4 in)
Weight (w/o batteries)	518 g (1.14 lb)	585 g (1.29 lb)	518 g (1.14 lb)	585 g (1.29 lb)

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



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