

VARMINT LRF

THERMAL IMAGING RIFLESCOPE WITH LASER RANGEFINDER



The Varmint LRF is a compact thermal imaging scope with built-in precision laser rangefinder. Equipped with a highly sensitive, 12 μ m thermal detector and 1024 \times 768 OLED monitor, the AGM Varmint LRF provides a clear image under harsh environmental conditions including darkness, fog, smoke, dust, rain, snow, brush, camouflage, etc. The Varmint LRF's user-friendly interface, comfortable and ergonomic operating controls makes its use incredibly easy.

The built-in laser range finder of the AGM Varmint LRF is designed to determine the exact distance between the observer and the target. Measurement results are displayed in the scopes monitor. One 18650 rechargeable battery gives the device up to 4.5 hours of continuous operation time. An external 5V power bank (battery pack) can be easily connected via a USB to USB-C connector for a significant increase of operating time. The device is equipped with fast EMMC storage for on-board video recording and image capture. Onboard Wi-Fi module allows live video streaming and video/image recording via mobile applications.

- 12 μ m high sensitivity thermal detector
- 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 recording and image capture
- Built-in EMMC storage (16 GB)
- Wi-Fi data transmission
- Standby mode
- Up to 4.5 hours continuous runtime
- 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 LRF TS35-384	VARMINT LRF TS50-384	VARMINT LRF TS35-640	VARMINT LRF TS50-640
Detector Type	12µm VOx Uncooled Focal Plane Arrays	12µm VOx Uncooled Focal Plane Arrays	12µm VOx Uncooled Focal Plane Arrays	12µm VOx Uncooled Focal Plane Arrays
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 35 mk (@25°C), F#=1.0	Less than 35 mk (@25°C), F#=1.0	Less than 35 mk (@25°C), F#=1.0	Less than 35 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)	7.53° × 5.65°	5.28° × 3.96°	12.52° × 10.03°	8.78° × 7.03°
Magnification	3x – 24x	4x – 32x	2x – 16x	2.5x – 20x
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Detection Range (6' object)	1,750 m/yd	2,500 m/yd	1,750 m/yd	2,500 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	5 types, 4 colors, on/off	5 types, 4 colors, on/off	5 types, 4 colors, on/off	5 types, 4 colors, on/off
Laser Range Finder	Up to 600 m, ±2 m accuracy	Up to 600 m, ±2 m accuracy	Up to 600 m, ±2 m accuracy	Up to 600 m, ±2 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
One Scale Interval (Reticle #4)	2 mil / 6.75 MOA	2 mil / 6.75 MOA	2 mil / 6.75 MOA	2 mil / 6.75 MOA
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
CVBS Output	Yes (via USB)	Yes (via USB)	Yes (via USB)	Yes (via USB)
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)	Up to 4.5 hours	Up to 4.5 hours	Up to 4.5 hours	Up to 4.5 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
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 (L×W×H)	200 × 66 × 109 mm (7.8 × 2.6 × 4.3 in)	210 × 74 × 109 mm (8.3 × 2.9 × 4.3 in)	200 × 66 × 109 mm (7.8 × 2.6 × 4.3 in)	210 × 74 × 109 mm (8.3 × 2.9 × 4.3 in)
Weight (w/o batteries)	652 g (1.44 lb)	722 g (1.59 lb)	652 g (1.44 lb)	722 g (1.59 lb)

Specifications are subject to change without notice.



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