

ObservIR LRF 25-256

THERMAL AND DIGITAL BINOCULAR



The AGM ObservIR LRF Thermal & Digital Day/Night Vision binoculars are some of the most technologically advanced and feature-packed optics in the world. The primary engine behind these binocular lies within the main thermal viewing channel, with its high-sensitivity 12 micron detector. Unlike other thermal binoculars on the market, the ObservIR LRF also comes outfitted with a digital day/night channel. The built-in 1,000m laser rangefinder simply takes the ObservIR LRF to another level, and this is without even mentioning its 64GB of internal memory and Wi-Fi compatibility.

The ObservIR LRF binoculars also come packed with numerous software improvements, and many features that have become commonplace within the AGM thermal product assortment: high-sensitivity thermal detector, Germanium lens with a 1.0 aperture, 3840x2160 ultra-low light CMOS sensor, various viewing modes, multiple color palettes, digital zoom, picture-in-picture mode, built-in laser rangefinder, GPS module, long-range IR illuminator, up to 8 hours of battery life on removable, rechargeable 18650 batteries, USB Type-C port for external power capabilities, IP67 waterproof rating.

- Dual-spectrum thermal and digital day/night system
- 12 μ m high-sensitivity thermal sensor
- 256x192 thermal resolution
- Digital image processing technology
- Ultra-low illumination optical channel
- 3840x2160 optical resolution
- Built-in IR illuminator
- Eye-safe 1,000 m laser rangefinder
- 1920x1080 resolution, 0.49-inch OLED display
- Digital Magnetic Compass
- Built-in GPS module
- Video/audio recording and snapshot capture
- Built-in 64 GB EMMC storage
- Wi-Fi hotspot
- Standby mode
- 8 hours of continuous operation on a single charge
- Auto screen-off function to saving energy
- External power supply capability
- Rugged housing with rubber overmolding
- Waterproof and dustproof
- 5 year warranty



SPECIFICATIONS

Thermal Detector	12µm VOx Uncooled Focal Plane Array
Thermal Resolution	256 x 192
Refresh Rate	50 Hz
NETD	Less than 35 mK (25°C, F#=1.0)
Thermal Channel Lens System	25 mm; F1.0
Thermal Channel Field of View	7.0° x 5.3°
Thermal Channel Magnification	4.5x - 18x
Digital Zoom	1x, 2x, 4x
Diopter Adjustment	-5 to +3
Detection Range (6' object)	1,200 m
Monitor	1920x1080, 0.49 inch, OLED, 50 FPS
FFC (Flat Field Correction)	Auto / Semi-Auto / Manual
Palettes	Black Hot, White Hot, Red Hot, Fusion
Highest Temperature Spot Tracking	Yes
Scene Mode	General / Compressed
Optical Digital Sensor	3840x2160, 1/88" Progressive Scan CMOS
Optical Channel Magnification	5.5x / 11x / 22x
Optical Channel Field of View	6.9° x 4.1°
Optical Module Lens System	60 mm, F2.2
Display Mode	Day, Night, Auto
Distance Measurement	Laser Rangefinder: up to 1,000 m, ±1 m accuracy
Laser Wavelength	905 nm
Laser Safety Class	Class 1
Infrared Light	Built-in 850nm Smart IR. Power and beam angle adjustment.
Viewing Range at Night	400 m
Wi-Fi Hotspot	Yes
Sleep Mode	Yes
Built-in Storage	64 GB EMMC
Video/Audio Recording	Yes / Yes
Image Capture	Yes
Interpupillary Adjustment Range	60 mm to 74 mm
Battery Type	Two 18650 rechargeable battery (removable)
Battery Life	Up to 8 hours continuous running (@25°C, WiFi, IR and LRF off)
Power	5 VDC/2 A, USB Type-C interface. Supports external power supply.
Working Temperature	-30°C to 55°C (-22°F to 131°F)
Protection Level	IP67 (Waterproof)
Dimensions	221 x 142 x 71 mm (8.7 x 5.6 x 2.8 in)
Weight (w/o batteries)	0.89 kg (1.96 lb)

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



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