

ObservIR LRF 60-1280

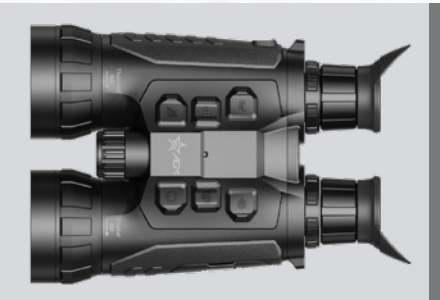
THERMAL AND DIGITAL BINOCULAR



The AGM ObservIR LRF Thermal & Digital Day/Night Vision binocular is 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 come outfitted with a digital day/night channel as well, which is great for aiding in recognition of targets detected by the thermal 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 monoculars also come packed with numerous software improvements, and many features that have become commonplace within the AGM thermal product assortment: high-sensitivity thermal detector, 60 mm objective lens with a 1.0 aperture, 3840x2160 ultra-low light CMOS sensor, various viewing modes, multiple color palettes, 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. The package includes four 18650 batteries, wrist strap and charger.

- Dual-spectrum thermal and digital day/night system
- 12 μ m high-sensitivity thermal sensor
- 1280x1024 thermal resolution
- 2.5x – 28x thermal magnification
- 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-hour 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



SPECIFICATIONS

| | |
|-----------------------------------|--|
| Thermal Detector | 12µm VOx Uncooled Focal Plane Array |
| Thermal Resolution | 1280 × 1024 |
| Refresh Rate | 25 Hz |
| NETD | Less than 18 mK (25°C, F#=1.0) |
| Thermal Channel Lens System | 60 mm; F1.0 |
| Thermal Channel Field of View | 14.6° × 11.7° |
| Thermal Channel Magnification | 2.5x – 28x |
| Diopter Adjustment | -5 to +3 |
| Detection Range (6' object) | 3,100 m |
| Monitor | 1920×1080, 0.49 inch, OLED, 50 FPS |
| FFC (Flat Field Correction) | Auto, Manual, External Correction |
| Palettes | Black Hot, White Hot, Red Hot, Fusion |
| Highest Temperature Spot Tracking | Yes |
| Scene Mode | Jungle, Recognition |
| Optical Digital Sensor | 3840×2160, 1/88" Progressive Scan CMOS |
| Optical Channel Magnification | 5.5x – 22x |
| Optical Channel Field of View | 6.9° × 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 | -20°C to 55°C (-4°F to 131°F) |
| Protection Level | IP67 (Waterproof) |
| Dimensions | 232 × 153 × 82 × mm (9.1 × 6.0 × 3.2 in) |
| Weight (w/o batteries) | 1.05 kg (2.31 lb) |

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



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