



ObservIR LRF

THERMAL AND DIGITAL BINOCULARS
WITH BUILT-IN LASER RANGEFINDER

PRODUCT OVERVIEW



- ObservIR LRF 50-640
- ObservIR LRF 60-1280

ObservIR LRF OVERVIEW



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 binoculars lies within the main thermal viewing channel, with its high-sensitivity 12 micron detector. The ObservIR line offers a wide range of lenses and thermal sensors. 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 8.5 hours of battery life on removable, rechargeable battery pack, USB Type-C port for external power capabilities, IP67 waterproof rating.



ObservIR LRF FEATURES



- Dual-spectrum thermal and digital day/night system
- 12 μ m high-sensitivity thermal sensor
- Ultra-low illumination optical channel
- 3840 \times 2160 optical resolution
- Built-in IR illuminator
- Eye-safe 1,000m laser rangefinder
- 1920 \times 1080 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
- Up to 8.5 hours continuous operation on a single charge
- Auto screen-off function to saving energy
- Waterproof and dustproof



ObservIR LRF MAIN PARTS



ObservIR LRF SERIES



OBSERVIR LRF 25-256



OBSERVIR LRF 35-384



ObservIR LRF SPECIFICATIONS



	ObservIR LRF 50-640	ObservIR LRF 60-1280
THERMAL MODULE		
Detector Type	12μm, NETD<15mK	12μm, NETD<18mK
Resolution	640 × 512	1280 × 1024
Refresh Rate	50 Hz	25 Hz
Lens System	50 mm; F1.0	60mm; F1.0
Field of View	8.8° × 5.3°	14.6° × 8.8°
Magnification	4.5x – 20x	2.5x – 20x
Focusing	Manual focus	Manual focus
Detection Range (6' object)	2600 m/yd	3100 m/yd
Diopter Adjustment	-5 to +3	-5 to +3
Image Mode	White Hot, Black Hot, Red Hot, Fusion	White Hot, Black Hot, Red Hot, Fusion

ObservIR LRF SPECIFICATIONS



	ObservIR LRF 50-640	ObservIR LRF 60-1280
OPTICAL DIGITAL MODULE		
Max. Image Resolution	3840 × 2160	3840 × 2160
Image Sensor	1.88" Progressive Scan CMOS	1.88" Progressive Scan CMOS
Lens System	60 mm, F2.2	60 mm, F2.2
Magnification	5.5x – 22x	5.5x – 22x
Field of View	6.9° × 4.1°	6.9° × 4.1°
IR Illuminator	Built-in 850 nm Smart IR	Built-in 850 nm Smart IR
Night Viewing Range	400 m/yd	400 m/yd
Monitor	1920×1080, 0.49", OLED, 50 FPS	1920×1080, 0.49", OLED, 50 FPS
Interpupillary Adjustment Range	60 mm to 74 mm	60 mm to 74 mm
Optical Mode	Day, Night, Auto	Day, Night, Auto

ObservIR LRF SPECIFICATIONS



	ObservIR LRF 50-640	ObservIR LRF 60-1280
LASER RANGEFINDER		
Measuring Distance	Max. 1,000 m	Max. 1,000 m
Accuracy	±1 m	±1 m
Laser Wavelength	905 nm (Class 1)	905 nm (Class 1)
GENERAL		
Battery Life	Up to 8.5 hours	Up to 7.5 hours
Protection Level	IP67	IP67
Mounting	1/4"-20 UNC	1/4"-20 UNC
Weight	0.83 kg (1.83 lb)	0.89 kg (1.97 lb)
Dimensions	229 × 148 × 80 mm (9.0 × 5.8 × 3.1 in)	230 × 153 × 83 mm (9.1 × 6.0 × 3.3 in)

THERMAL IMAGING BINOCULARS WEB PAGE



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