

# ReachIR

## LRF 25-384

### THERMAL IMAGING MONOCULAR WITH BUILT-IN LASER RANGEFINDER

The ReachIR is new premium handheld observational thermal monocular series. All models come equipped with twelve micron infrared detector and a 1024x768 OLED display, for improved color rendering. The ReachIR thermal sensors also come equipped with the most sensitive temperature ratings in its class, coming in at sub-20 millikelvin across the entire product family. Other important options include a 1,000-meter integrated laser rangefinder (LRF), robust body and a removable, rechargeable 18650 battery. These units also boast an impressive waterproof rating, which ensures users have peace of mind while utilizing these under the vast majority of weather conditions.

New optimized image processing algorithms give thermal monocular highly optimized images and remarkable details. The ReachIRs built-in 64 GB memory also sits at the top of its class on the market, with advanced software supporting both video/audio recording and image capture. The primary uses for these thermal monoculars include, but are not limited to: hunting, law enforcement, search-and-rescue, personal security, conservation, anti-poaching, camping, hiking and different marine applications.

- 384x288, 12-micron sensor
- Sub-20mK thermal sensitivity
- Fast 50 Hz imaging
- Built-in 1,000-meter laser rangefinder
- New optimized image processing algorithms
- 1x, 2x, 4x, 8x digital zoom
- 1024x768 resolution, 0.39-inch OLED display
- Video/audio recording and image capture
- 64 GB built-in memory
- Wi-Fi hotspot
- Standby mode
- Replaceable and rechargeable 18650 Lithium battery
- Up to 4.5 hours continuous running
- Auto screen-off function
- Robust magnesium alloy housing
- Waterproof
- 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

|                                   |  |
|-----------------------------------|--|
| Detector Type                     | 12µm VOx Uncooled Focal Plane Array                              |
| Resolution                        | 384 × 288  |
| Refresh Rate                      | 50 Hz  |
| NETD NETD                         | Less than 20 mK (25°C, F#=1.0)                                   |
| Response Waveband                 | 8 µm to 14 µm  |
| Lens System                       | 25 mm; F1.0  |
| Field of View (HxV)               | 10.5° × 7.9°   |
| Magnification                     | 2.5x – 20x   |
| Digital Zoom                      | 1x, 2x, 4x, 8x   |
| Diopter Adjustment                | -5 to +3   |
| Detection Range (6' object)       | 1,200 m/yd   |
| Monitor                           | 1024x768, 0.39 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  |
| Distance Measurement              | Laser Rangefinder: up to 1,000 m, ±1 m accuracy                  |
| Laser Wavelength                  | 905 nm   |
| Laser Safety Class                | Class 1  |
| Hotspot                           | Yes  |
| Sleep Mode                        | Yes  |
| Built-in Storage                  | 64 GB EMMC   |
| Video/Audio Recording             | Yes / Yes  |
| Image Capture                     | Yes  |
| PIP                               | Yes  |
| Battery Type                      | One 18650 rechargeable battery (removable)                       |
| Battery Operating Time            | Up to 4.5 hours continuous running (@25°C, WiFi and LRF off)     |
| Battery Capacity Display          | Yes  |
| External 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                        | 181 × 53 × 85 mm (7.11 × 2.07 × 3.36 in)                         |
| Weight (w/o batteries)            | 386 g (0.85 lb)  |

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



MAIN OFFICE | 173 West Main Street | PO Box 962 | Springerville, AZ 85938, USA  
Tel. +1.928.333.4300 | info@agmglobalvision.com | www.agmglobalvision.com

EUROPEAN OFFICE | #6 Andrey Lyapchev Blvd | Sofia, P.C. 1756 | Bulgaria  
Tel. +35.988.560.0326 | info@agmglobalvision.eu | www.agmglobalvision.eu

[www.agmglobalvision.com](http://www.agmglobalvision.com)