



AGM  
GLOBAL  
VISION

# EXPLORATOR

## THERMAL IMAGING BI-OCULAR

The AGM Explorer is the latest and most technologically-advanced thermal imaging device for observation currently available on the market. Bi-ocular is made of high-grade aluminum and magnesium alloy, making the unit both durable and lightweight. Due to its waterproof capability the device performs well even in severe weather conditions and challenging environment. The Explorer is available in two modifications – with 50 mm and 75 mm Germanium objective lenses - which allow selecting the most suitable version for the task at hand. The unit can be easily mounted on a tripod which grants operator convenient/hands free use of thermal binocular.

The Explorer's user-friendly interface, comfortable and ergonomic buttons makes adoption and application incredibly simple. The thermal imaging unit offers ten different variants of image palettes: white hot/black hot, etc. that can be easily adapted depending on different environmental conditions.

This high-tech bi-ocular can take either two CR123A 3V Lithium Batteries or two CR123 rechargeable batteries, with voltage ranging from 3.0 V to 3.7 V. In addition, the external battery pack (5V) connected via micro-USB port provides an additional operating time.

- **Lightweight and compact design**
- **Dual eye viewing system for comfortable, extended viewing sessions**
- **Superior clarity, versatility and reliability**
- **Easy to operate control panel**
- **High resolution OLED display**
- **2x and 4x digital zoom**
- **Picture in Picture mode with 2x digital zoom**
- **Automatic or manual (silent) calibration**
- **Stadiametric rangefinder**
- **Powered by two standard CR123A batteries**
- **External power supply via micro-USB**
- **Optional external Wi-Fi module and video recorder**
- **Integral MIL-STD-1913 rail on unit for optional accessories**
- **Tripod mountable**
- **Limited 3-Year Warranty**



## SPECIFICATIONS

	Explorator TB50 384	Explorator TB75 384
Detector Type	17µm Uncooled Microbolometer	
Resolution	384x288	
Refresh Rate	50 Hz	
Lens System	50 mm; F/1.0	75 mm; F/1.0
Optical Magnification	3.5x	4.7x
Field of View (H x V)	7.5° x 5.6°	5.0° x 3.7°
Digital Zoom	1x, 2x, 4x	
Diopter Adjustment Range	-5 to +5 dpt	
Focusing Range	10 m to infinity	
Display	OLED 800x600	
Video/Photo Format	AVI / JPG	
Temperature Imaging Palettes	11 Image palettes	
Interfacing	S620 Connector (Power In, Analog Video In/Out, Digital Video Recorder); Micro-USB (External Battery Pack)	
Battery Type	Two CR123A 3V Lithium Batteries	
Battery Life (Operating)	Up to 5 hr	
Power Supply	5V USB / 3.6~7.2V	
Operating Temperature Range	-40°C to +70°C (-40°F to +158°F)	
Degree of Protection	IP67	
Weight	0.75 kg (1.6 lbs)	0.99 kg (2.1 lbs)
Overall Dimensions	273 x 125 x 64 mm (10.7 x 4.9 x 2.5 in)	295 x 125 x 93 mm (11.6 x 4.9 x 3.7 in)
Dimensions (w/o eyecup)	225 x 112 x 60 mm (8.7 x 4.4 x 2.4 in)	249 x 112 x 89 mm (9.8 x 4.4 x 3.5 in)
Package Includes	Thermal Imaging Bi-Ocular, Lens Cloth, Soft Carrying Case, User Manual	

Specifications are subject to change without notice.



MAIN OFFICE | 173 West Main Street | PO Box 962 | Springerville, AZ 85938, USA  
Tel. +1.928.333.4300 | Fax +1.480.393.4882 | info@agmglobalvision.com | www.agmglobalvision.com

EUROPEAN OFFICE | Andrey Lyapchev #7 | Sofia, P.C. 1756 | Bulgaria  
Tel. +44.292.255.0509 | info@agmglobalvision.eu | www.agmglobalvision.eu

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