



AGM  
GLOBAL  
VISION

# EXPLORATOR PRO

## THERMAL IMAGING BI-OCULAR

The AGM Explorator PRO is the latest and most technologically-advanced thermal imaging device for observation currently offered by AGM. This 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 environments. The unit can be easily mounted on a tripod which grants the operator convenient/hands free use of thermal binocular.

The Explorator's user-friendly interface, with comfortable and ergonomic buttons makes using the system incredibly simple. The thermal imaging unit offers ten different image palettes 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 RCR123 rechargeable batteries, with voltage ranging from 3.0 V to 3.7V. In addition, the external battery pack (5V) connected via Type-C port provides additional operating time. Onboard Wi-Fi module is also available for live video streaming and video/images recording via mobile application.

- High-sensitivity detector
- Lightweight and compact design
- Dual eye viewing system for comfortable, extended viewing sessions
- Easy to operate control panel
- High resolution display
- 1x, 2x,4x and 8x digital zoom
- Picture-in-Picture mode
- Video recording and snapshot capturing
- Built-in 16 GB EMMC memory module
- Wi-Fi data transmission
- Stadiametric rangefinder
- Powered by two standard CR123A batteries
- Up to 4.5 hours continuous working
- External power supply capability
- Tripod mountable
- Limited 3-Year Warranty



## SPECIFICATIONS

	Explorator PRO TB50-384	Explorator PRO TB50-640
Resolution	384 × 288	640 × 512
Detector	17µm, Uncooled, 50 Hz	12µm, Uncooled, 50 Hz
Lens System	50 mm; F/1.0	50 mm; F/1.0
Magnification	4x - 32x	2.5x - 20x
Field of View	5.3° × 4.0°	8.8° × 7.0°
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Detection Range (6' object)	2500 m/yd	2500 m/yd
Display	0.39-inch, OLED, 1024x768, 50 Hz	0.39-inch, OLED, 1024x768, 50 Hz
Diopter Adjustment Range	-5 to +5 dpt	-5 to +5 dpt
Focusing Range	10 m to infinity	10 m to infinity
Distance Measurement	Yes (Stadiametric Rangefinder)	Yes (Stadiametric Rangefinder)
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Scene Mode	Jungle, Recognition	Jungle, Recognition
Picture In Picture Mode (PIP)	Yes (2x Zoom)	Yes (2x Zoom)
Hotspot	Yes	Yes
Standby Mode	Yes	Yes
Video Recording	Yes	Yes
Picture Snapshot	Yes	Yes
CVBS Output	Yes (via USB)	Yes (via USB)
Defective Pixels Correction (DPC)	Yes	Yes
Uniformity Correction	Auto, Manual, External Correction	Auto, Manual, External Correction
Storage	Built-in EMMC (16 GB)	Built-in EMMC (16 GB)
Battery Type	Two CR123 (3V) Lithium or two RCR123 (up to 4.2V) Rechargeable Batteries	Two CR123 (3V) Lithium or two RCR123 (up to 4.2V) Rechargeable Batteries
Battery Life (Operating, 20°C)	Up to 4.5 hr	Up to 4.5 hr
External Power Supply	5 VDC/2 A, USB Type-C interface	5 VDC/2 A, USB Type-C interface
Operating Temperature Range	-20°C to +55°C (-4°F to +131°F)	-20°C to +55°C (-4°F to +131°F)
Degree of Protection	IP67	IP67
Drop Test Height	1.5m (4.9 feet)	1.5m (4.9 feet)
Weight (w/o battery)	0.81 kg ( 1.78 lb)	0.81 kg ( 1.78 lb)
Overall Dimensions	260 × 112 × 63 mm (10.2 × 4.4 × 2.5 in)	260 × 112 × 63 mm (10.2 × 4.4 × 2.5 in)
Package Includes	Thermal Imaging Bi-ocular, USB Cable, Lens Cloth, Manual	Thermal Imaging Bi-ocular, USB Cable, Lens Cloth, Manual

Specifications are subject to change without notice.



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