



AGM
GLOBAL
VISION

PROTECTOR

THERMAL IMAGING MONOCULAR



The AGM Protector represents the most technologically advanced thermal imaging monocular product line currently existing on the market.

The aircraft aluminum and magnesium alloy along with the high-quality optics make the unit lightweight, but at the same time tough and durable.

This uncooled, long-wave infrared, magnified thermal imaging camera by AGM Global Vision is designed for fulfilling both, day and night missions, irrespective of the environment and weather factors.

A variety of objective lenses (25 mm, 50 mm, 75 mm) enable the operator to use the device as both a compact, pocket-sized thermal imaging monocular, or as a long-range observation tool.

The Protector thermal imaging monocular can be easily connected to an extended battery pack (5V), increasing operational time. Optional Wi-Fi module for live video streaming and recording is also available.

- **Lightweight and compact design**
- **Superior clarity, versatility and reliability**
- **Easy to operate control panel**
- **High resolution 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

	Protector TM25-384	Protector TM50-384	Protector TM75-384
Detector Type	17µm Uncooled Microbolometer	17µm Uncooled Microbolometer	17µm Uncooled Microbolometer
Resolution	384x288	384x288	384x288
Refresh Rate	50 Hz	50 Hz	50 Hz
Lens System	25 mm; F/1.0	50 mm; F/1.0	75 mm; F/1.0
Optical Magnification	1.25x	2.5x	3.75x
Field of View (H x V)	15.0° x 11.2°	7.5° x 5.6°	5.0° x 3.7°
Digital Zoom	1x, 2x, 4x	1x, 2x, 4x	1x, 2x, 4x
Diopter Adjustment Range	-5 to +5 dpt	-5 to +5 dpt	-5 to +5 dpt
Focusing Range	10 m to infinity	10 m to infinity	10 m to infinity
Display	HD Display 1024x768	HD Display 1024x768	HD Display 1024x768
Video/Photo Format	AVI / JPG	AVI / JPG	AVI / JPG
Temperature Imaging Palettes	"White Hot", "Black Hot", and other color Image palettes	"White Hot", "Black Hot", and other color Image palettes	"White Hot", "Black Hot", and other color Image palettes
Interfacing	Universal S620 connector (Power In, analog video In/Out, Wi-Fi Attachment, HD Recorder, Extended Battery Pack); Micro-USB (Power bank 5V)	Universal S620 connector (Power In, analog video In/Out, Wi-Fi Attachment, HD Recorder, Extended Battery Pack); Micro-USB (Power bank 5V)	Universal S620 connector (Power In, analog video In/Out, Wi-Fi Attachment, HD Recorder, Extended Battery Pack); Micro-USB (Power bank 5V)
Battery Type	Two CR123A 3V Lithium batteries	Two CR123A 3V Lithium batteries	Two CR123A 3V Lithium batteries
Battery Life (at 20°C / 68°F)	Up to 5 hr	Up to 5 hr	Up to 5 hr
External Power Supply	Power bank (5V USB), Extended battery pack (additional operating time up to 8 hr.) or 6V/600 mA power supply	Power bank (5V USB), Extended battery pack (additional operating time up to 8 hr.) or 6V/600 mA power supply	Power bank (5V USB), Extended battery pack (additional operating time up to 8 hr.) or 6V/600 mA power supply
Operating Temperature Range	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
Degree of Protection	IP67	IP67	IP67
Weight	0.44 kg (0.83 lbs)	0.55 kg (1.2 lbs)	0.69 kg (1.5 lbs)
Overall Dimensions	195 x 70 x 58 mm (7.7 x 2.8 x 2.3 in)	225 x 70 x 64 mm (8.9 x 2.3 x 2.5 in)	250 x 93 x 93 mm (9.8 x 3.7 x 3.7 in)
Package Includes	Thermal Imaging Monocular, Video Cable, Lens Cloth, Soft Carrying Case, User Manual		

Specifications are subject to change without notice.



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