



AGM  
GLOBAL  
VISION

# ASP

## THERMAL IMAGING MONOCULAR



The AGM Asp represents the line of the most technologically advanced thermal imaging monoculars currently existing on the market. Based on FLIR Tau 2 VOx microbolometer cores and made of high-grade aircraft aluminum alloy the unit guarantees durability and outstanding performance even to the most sophisticated users.

This uncooled, long-wave infrared, magnified thermal imaging camera by AGM is designed for fulfilling of both day and night missions irrespective of the environment and weather factors, while a wide variety of objective lenses (25 mm, 50 mm, and 75 mm) enables the operator to use the device as both a compact, pocket-sized thermal imaging monocular, or as a long-range observation tool.

The Asp thermal imaging monocular can be easily connected to extended battery pack to increase operational time. Optional WiFi module for live video streaming and recording is also available.

- FLIR Tau 2 17 $\mu$ m pitch thermal sensor
- Durable and lightweight design
- Easy and intuitive operation
- Manually adjustable eyepiece and objective lens
- A wide variety of color palettes
- Digital Zoom: 1x, 2x, 4x, and 8x
- Waterproof
- Integral MIL-STD-1913 rails on unit for optional accessories
- External Wi-Fi module (optional)
- Optional video recording
- Powered by two standard CR123A batteries
- External power supply via micro USB
- Limited 3-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.

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## SPECIFICATIONS

	Asp TM50-336	Asp TM75-336	Asp TM25-640	Asp TM50-640	Asp TM75-640
<b>Detector Type</b>	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer
<b>Resolution</b>	336x256	336x256	640x512	640x512	640x512
<b>Refresh Rate</b>	60 Hz	60 Hz	30 Hz	30 Hz	30 Hz
<b>Start Up</b>	3 seconds	3 seconds	3 seconds	3 seconds	3 seconds
<b>Lens System</b>	50 mm; F/1.0	75 mm; F/1.0	25 mm; F/1.0	50 mm; F/1.0	75 mm; F/1.0
<b>Optical Magnification</b>	3.45x	5.2x	1x	2.1x	3.1x
<b>Field of View</b>	7.8° x 5.9°	4.3° x 3.3°	24° x 20°	14.8° x 11.8°	8.3° x 6.6°
<b>Digital Zoom</b>	1x, 2x, 4x	1x, 2x, 4x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
<b>Diopeter Adjustment Range</b>	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters
<b>Focusing Range</b>	5 m to infinity	10 m to infinity	2.5 m to infinity	5 m to infinity	10 m to infinity
<b>Display Resolution</b>	800x600	800x600	800x600	800x600	800x600
<b>Video Output</b>	PAL (768x574 pixels) / NTSC (640x480 pixels)				
<b>Temperature Imaging Palettes</b>	White Hot, Black Hot, Fusion, Rainbow, Globow, Ironbow1, Ironbow2, Sepia, Color1, Color2, Ice-Fire, Rain, and OEM				
<b>Interfacing</b>	Micro-USB (Power bank 5V); Universal S620 connector (Power In, Analog Video In/Out, Wi-Fi Attachment, HD Recorder, Extended Battery Pack)				
<b>Battery Type</b>	Two CR123A 3V Lithium Batteries or CR123 Type Rechargeable Batteries with Voltage from 3.0V to 3.7V (2)				
<b>Battery Life (Operating)</b>	Up to 4 hr (optional up to 12 hrs)				
<b>External Power Supply</b>	Power bank (5V) via Micro-USB port; Extended battery pack (6V) or 6V/600 mA power supply via S620 connector				
<b>Operating Temperature Range</b>	-40°C to +50°C (-40°F to +122°F)				
<b>Environmental Rating</b>	Waterproof				
<b>Weight</b>	0.69 kg (1.5 lb)	0.83 kg (1.8 lb)	0.58 kg (1.2 lb)	0.69 kg (1.5 lb)	0.83 kg (1.8 lb)
<b>Overall Dimensions</b>	220 x 72 x 60 mm (8.6 x 2.8 x 2.3 in)	248 x 89 x 89 mm (9.7 x 3.5 x 3.5 in)	196 x 72 x 56 mm (7.7 x 2.8 x 2.2 in)	220 x 72 x 60 mm (8.6 x 2.8 x 2.3 in)	248 x 89 x 89 mm (9.7 x 3.5 x 3.5 in)
<b>Package Includes</b>	Thermal imaging monocular, 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)