



AGM  
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VISION

# StingIR

## THERMAL IMAGING MONOCULAR



The AGM StingIR miniature handheld observational thermal monocular is equipped with 384×288 or 640×480 12μm high-sensitivity infrared detector and high-resolution OLED display. It supports functions of observation, digital compass, inclinometer, and so on. The high-sensitivity built-in thermal detector provides you with clear view even in total darkness.

The AGM StingIR is a full-featured unit, weighing less than 7 ounces/200 grams. The monocular can be used as a handheld device, or mounted on the head harness or helmets for hands-free operations.

The monocular is suitable for security enforcement, outdoor hunting, wilderness exploration, search and rescue and other fields.

- 12μm high-sensitivity detector
- 384×288 or 640×480 resolution
- Head- or helmet-mountable for hands-free usage
- Compact, sturdy design
- High-resolution OLED display
- Multiple thermal image palettes
- Device supports up to 8× digital zoom
- Powered by one CR123A/RCR123 or 18650 Lithium battery
- Up to 5 hours continuous running
- Digital compass and inclinometer
- Type-C interface
- 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.

## SPECIFICATIONS

	StingIR-384	StingIR-640
Detector Type	12 µm Uncooled VOx Microbolometer	12 µm Uncooled VOx Microbolometer
Resolution	384x288	640x480
Refresh Rate	50 Hz	50 Hz
Lens (Focal Length)	16 mm	27 mm
Aperture	F1.3	F1.1
Field of View	16.3° x 12.3° (H x V)	16.3° x 12.3° (H x V)
Magnification	1x	1x
Detection Range (Human Target)	730 m	1200 m
Exit Pupil Diameter	12 mm	12 mm
Exit Pupil Distance	20 mm	20 mm
Diopter Adjustment Range	-5 to +5 dpt	-5 to +5 dpt
Digital Zoom	1x, 2x, 4x	1x, 2x, 4x, 8x
Monitor	1024x768 OLED	1024x768 OLED
Palettes	WhiteHot, BlackHot, OrangeHot, Rainbow	WhiteHot, BlackHot, OrangeHot, Rainbow
Application Scenarios	Default, Outdoor, Arctic, or Rainforest	Default, Outdoor, Arctic, or Rainforest
FFC (Flat Field Correction)	Auto (1 to 10 min. interval) or Manual	Auto (1 to 10 min. interval) or Manual
Digital Compass	Yes	Yes
Digital Inclinometer	Yes (Pitch angle and Roll angle)	Yes (Pitch angle and Roll angle)
PIP	Yes	Yes
Crosshair	Display On/Off; Position adjustment; Selection of White, Black, or Green color	Display On/Off; Position adjustment; Selection of White, Black, or Green color
Analog Video Output	PAL video output via USB port	PAL video output via USB port
Battery Type	One CR123A(3V) or RCR123(3.7V) or 18650(4.2V)	One CR123A(3V) or RCR123(3.7V) or 18650(4.2V)
Battery Operating Time (20°C)	CR123A - up to 2 hours RCR123 - up to 3h 18650 - up to 5h	CR123A - up to 2 hours RCR123 - up to 3h 18650 - up to 5h
USB Type-C Interface	Power input / USB-RS232 / PAL video output	Power input / USB-RS232 / PAL video output
External Power	5 VDC/2 A, 1.5 W	5 VDC/2 A, 1.5 W
Working Temperature	-10°C to 60°C (-4°F to 122°F)	-20°C to 50°C (-4°F to 122°F)
Protection Level	IP67	IP67
Dimension	140 x 70 x 50 mm (5.5 x 2.4 x 2.0 in)	140 x 70 x 50 mm (5.5 x 2.4 x 2.0 in)
Weight	200 g (7.0 oz)	220 g (7.8 oz)

Specifications are subject to change without notice.



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