



SIDEWINDER

THERMAL IMAGING MONOCULAR



The Sidewinder™ Thermal Monocular series is the newest addition to what is already the most extensive thermal product assortment in the world! The Sidewinder series boasts a wide range of Germanium lens sizes and industry-leading 12 micron, sub-20mk thermal detectors. These physical attributes provide users with some of the best image quality AGM has produced to date with potential detection ranges up to 2600 yards. The Sidewinders also bring many new advancements to the product category which users have been clamoring for. These handheld monoculars come equipped with the most sensitive thermal sensor on the market, providing users with a stunning advancement in image clarity and background detail. Also, this units utilize a removable, non-proprietary 18650 rechargeable battery which powers the unit by offering up to 7 hours of operating time, built-in to a new robust rubber armored housing for added durability and protection.

The Sidewinder also comes packed with numerous software improvements, and many features that have become commonplace within the AGM thermal product assortment: 50Hz refresh rate, 64GB of built-in memory (highest in its class), Wi-Fi compatibility to pair with the AGM Connect App, an IP67 waterproof rating, F1.0 aperture, USB Type-C port for external power capabilities, 4 color palettes and industry-leading 5 Year Transferable Warranty. The Sidewinders are built for well-rounded use and would work great for hunting, farming/herd protection, building security, law enforcement, search & rescue, boating, camping and other general outdoors activities.

- 12µm, 384×288 or 640×512 resolution detector
- Highest thermal sensitivity (NETD <20mK)
- Advanced image processing (Digital Detail Enhancement, digital Noise Reduction and NLM algorithm)
- 50 Hz image frame rate
- 1024×768 resolution OLED display
- Built-in memory supports video/audio recording and image capture
- 64 GB memory module
- Wi-Fi hotspot
- 1x, 2x, 4x and 8x digital zoom
- Replaceable and rechargeable Li-Ion battery
- Up to 7 hours continuous running
- External power supply capability
- Waterproof
- 5-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

Model	Sidewinder TM25-384	Sidewinder TM35-384	Sidewinder TM35-640	Sidewinder TM50-640
Detector Type	12µm Vanadium Oxide Uncooled Focal Plane Array	12µm Vanadium Oxide Uncooled Focal Plane Array	12µm Vanadium Oxide Uncooled Focal Plane Array	12µm Vanadium Oxide Uncooled Focal Plane Array
Resolution	384x288	384x288	640x512	640x512
Refresh Rate	50 Hz	50 Hz	50 Hz	50 Hz
Response Waveband	8µm to 14µm	8µm to 14µm	8µm to 14µm	8µm to 14µm
NETD	≤ 20 mk (@25°C), F#=1.0	≤ 20 mk (@25°C), F#=1.0	≤ 20 mk (@25°C), F#=1.0	≤ 20 mk (@25°C), F#=0.9
Detection Range (6' object)	1250 m	1800 m	1800 m	2600 m
Lens System	25 mm; F1.0	35 mm; F1.0	35 mm; F1.0	50 mm; F0.9
Field of View (H × V)	10.5° × 7.9°	7.5° × 5.6°	12.5° × 10°	8.7° × 7°
Magnification	2x - 16x	3x - 24x	2x - 16x	2.5x - 20x
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Dioptr Adjustment	-5 to +3 dpt	-5 to +3 dpt	-5 to +3 dpt	-5 to +3 dpt
Monitor	1024x768, OLED	1024x768, OLED	1024x768, OLED	1024x768, OLED
FFC (Flat Field Correction)	Auto, Manual, External Correction	Auto, Manual, External Correction	Auto, Manual, External Correction	Auto, Manual, External Correction
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Image Boost	Yes	Yes	Yes	Yes
Highest Temperature Spot Tracking	Yes	Yes	Yes	Yes
Wi-Fi Hotspot	Yes	Yes	Yes	Yes
Standby Mode	Yes	Yes	Yes	Yes
Storage	Built-in memory (64 GB)	Built-in memory (64 GB)	Built-in memory (64 GB)	Built-in memory (64 GB)
Video Recording/Audio	Yes / Yes (on-board)	Yes / Yes (on-board)	Yes / Yes (on-board)	Yes / Yes (on-board)
Image Capture	Yes	Yes	Yes	Yes
Battery Type	One 18650 Replaceable rechargeable Lithium battery	One 18650 Replaceable rechargeable Lithium battery	One 18650 Replaceable rechargeable Lithium battery	One 18650 Replaceable rechargeable Lithium battery
Battery Operating Time	Up to 7 hours	Up to 7 hours	Up to 5 hours	Up to 5 hours
Power	5 VDC/2 A, 1.75 W	5 VDC/2 A, 1.75 W	5 VDC/2 A, 2.1 W	5 VDC/2 A, 2.1 W
Interface	USB Type-C	USB Type-C	USB Type-C	USB Type-C
Working Temperature	-30°C to 55°C (-22°F to 131°F)	-30°C to 55°C (-22°F to 131°F)	-30°C to 55°C (-22°F to 131°F)	-30°C to 55°C (-22°F to 131°F)
Protection Level	IP67	IP67	IP67	IP67
Dimensions	188 × 58 × 65 mm (7.4 × 2.3 × 2.6 in)	188 × 58 × 65 mm (7.4 × 2.3 × 2.6 in)	188 × 58 × 65 mm (7.4 × 2.3 × 2.6 in)	200 × 78 × 68 mm (7.9 × 3.0 × 2.7 in)
Weight	500 g (1.1 lb)	505 g (1.11 lb)	505 g (1.11 lb)	636 g (1.4 lb)

Specifications are subject to change without notice.
Images are for illustration purposes only.



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

EUROPEAN OFFICE | #6 Andrey Lyapchev Blvd | Sofia, P.C. 1756 | Bulgaria
Tel. +35.988.560.0326 | info@agmglobalvision.eu | www.agmglobalvision.eu

www.agmglobalvision.com