

# NVG-50

## NIGHT VISION GOGGLES / BINOCULARS



The AGM NVG-50 is a dual-channel night vision system. With a 51° field of view (FOV), it provides a large visual field without needing to move the binoculars. The NVG-50 uses advanced multi-coated optics and is built to last with a compact composite housing. The device can be outfitted with either a Gen 2+ or Gen 3 high-performance image intensifier tube (IIT). The bright light cut-off feature ensures that the high-quality photocathode tube is protected. The NVG-50 is also equipped with Manual Gain Control, which adjusts the image brightness, providing the highest possible image quality even in changing light conditions. Operating from a single AA alkaline battery or CR123A battery, the NVG-50 can run up to 20 hours. Also equipped with an integral infrared illuminator for reading in the dark.

- Redundant dual-tube design
- True stereoscopic vision
- Wide 51° field of view
- Lightweight & compact
- Head or helmet mountable for hands-free operation
- Bright light cut-off
- Manual gain control
- Ergonomic, simple, easy to operate controls
- Built-in Infrared illuminator and flood lens
- Utilizes single CR123A lithium or AA battery
- 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

Image Intensifier Tube	Gen 2+ or Gen 3
Magnification	1x
Lens System	19 mm, F/1.26
FOV	51°
Focus Range	0.25 m to Infinity
Diopter Adjustment	-6 to +2 diopters
Interpupillary Distance	56 to 72 mm
Eye Relief	17 mm
LED Indicators (in the FOV)	- Low Battery - IR On - Excessive Light Conditions
Manual Gain Control	Yes
Bright Light Cut-Off	Yes
Automatic Shut-Off System	Yes
Infrared Illuminator	Yes; Two power levels
Battery Type	One CR123A (3V) or AA (1.5 V)
Battery Life (Operating)	Up to 20 hours at 20°C (up to 80 hrs with optional battery pack)
Operating Temperature Range	-40°C to +50°C (-40°F to +122°F)
Storage Temperature Range	-50°C to +70°C (-58°F to +158°F)
Weight	615 g (1.35 lb)
Overall Dimensions	112 x 118 x 74 mm (4.4 x 4.6 x 2.9 in)
Package Includes	Night Vision Goggles, NVG Interface Shoe, Bayonet/Horn Interface Shoe, Demist Shield (2), Sacrificial Window (2), Soft Carrying Case, Lens Cloth, Battery Adapter, User Manual

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

## OPTIONAL EQUIPMENT

AGM G50 Afocal Magnifier Lens Kit, 3X (2 lenses and adapter)  
(P/N 6102AFK1)

AGM Goggle Kit W G50  
(P/N 6104GK51)

AGM Helmet Mount G50MP for MICH and PASGT Helmets  
(P/N 6103HM51)

AGM Helmet Mount G50S for Shroud  
(P/N 6103HS51)

NVG Interface Shoe with Connector  
(P/N 6108ISC1)

Mini-Rail Interface Shoe  
(P/N 6506MRN1)

Battery Locking Plate Adapter  
(P/N 6108BLP1)

Battery Pack  
(P/N 6108BPA1)

External Battery Pack Kit G50  
(P/N 6108EBP1)

AGM Sioux850-W Kit (includes Sioux850 Long-Range Infrared Illuminator, Mount, Adapter, Rechargeable Battery and Charger)  
(P/N 501SIOUW850IR1)

Hard Case  
(P/N 6610HCS1)



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