



AGM  
GLOBAL  
VISION

# 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
- 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.

[www.agmglobalvision.com](http://www.agmglobalvision.com)

## 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<br>(in the FOV) | - Low Battery<br>- IR On<br>- 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<br>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<br>Shoe, Bayonet/Horn Interface Shoe,<br>Demist Shield (2), Sacrificial Window<br>(2), Soft Carrying Case, Lens Cloth,<br>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)

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

AGM Sioux850 Long-Range Infrared Illuminator comes included  
with Rechargeable Battery and Charger  
(P/N 501SIOUX850IR1)

**Hard Case**  
(P/N 6610HCS1)



MAIN OFFICE | 173 West Main Street | PO Box 962 | Springerville, AZ 85938, USA  
Tel. +1.928.333.4300 | [info@agmglobalvision.com](mailto:info@agmglobalvision.com) | [www.agmglobalvision.com](http://www.agmglobalvision.com)

EUROPEAN OFFICE | Andrey Lyapchev #7 | Sofia, P.C. 1756 | Bulgaria  
Tel. +44.292.255.0509 | [info@agmglobalvision.eu](mailto:info@agmglobalvision.eu) | [www.agmglobalvision.eu](http://www.agmglobalvision.eu)

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