



HARRIS F5001, GEN 3

BI-OCULAR NIGHT VISION GOGGLE

F5001 SERIES (AN/PVS-7)

KEY BENEFITS

Offers optimum resolution, high gain, and photo response to near infrared

May be mounted on head strap-mounted for hands-free operation

Lightweight: 680 grams

Uses universally available "AA" batteries

For more than 50 years, Harris Corporation (Harris) has provided the military with premier vision-enhancing solutions. As the world's leading manufacturer of Generation 3 (Gen 3) image intensifier technology, Harris continues to work hand-in-hand with customers to expand night vision and vision-enhancing capabilities, technologies, and resources. Harris also provides technical support, service, training, and maintenance for our products to maximize customer benefits and usability.

DESCRIPTION

Harris offers the popular F5001 night vision goggle with various accessory options - all designed to meet individual customer performance requirements.

Harris' F5001 night vision goggles enable military ground forces to conduct critical missions during the darkest nights of the year. Extremely lightweight, the F5001 has been human engineered for long-wearing comfort. It can be hand held, helmet mounted, or head-strap mounted for hands-free operation. Key features include:

- a quick-release lever to permit one-handed attachment/detachment from helmet or head harness
- an automatic highlight cutoff to protect the image intensifier
- an "IR-on" indicator; and a low-voltage indicator.

SPECIFICATIONS FOR: **HARRIS F5001, GEN 3 BI-OCULAR NIGHT VISION GOGGLE**

GENERAL	
Spectral Response	Visible to 0.90 μm (IR)
Field of View	40°
Magnification	Unity
Resolution - High Light Level (fc)	1.15 cy/mr, minimum (on-axis)
Brightness Gain	3000 fL/fL, minimum
Collimation	1° ± 1° convergence, ≤ 1/2° dipvergence/divergence
Diopter Adjustment	+2 to -6 diopters
Interpupillary Adjustment	55 to 71 mm
Objective Lens	EFL 26 mm/F/1.2, T/1.3
Eyepiece Lens	EFL 26 mm
Eye Relief	15 mm
Focus Range	20 cm to infinity

POWER	
Battery Type	Two AA size 1.5-V alkalines, or One 3.0-V lithium (BA-5567-U)
Voltage Required	2.7 Vdc = 3.0 VDC, battery (50 mA, Maximum)

PHYSICAL	
Weight	680 grams maximum

ENVIRONMENTAL	
Temperature	Operating: -51° to +49°C Storage: -51°C to +85°C

STANDARD ACCESSORIES	
Head Mount Assembly	Allows hands free operation. Adjusts to accommodate the user's head size and eye position
Medium and Thick Brow Pads	Changeable pads to accommodate head sizes
Eye Cup	Prevent the emission of stray light or facial reflections
Demist Shields	Snap onto the eyepiece to prevent condensation on the optics
Sacrificial Window	Shields the objective lens from airborne sand, dust, or anything that may scratch the lens
Carrying Case	Canvas case provides protection of components when not in use
Shoulder Strap	Attaches to the F5001 carrying case for easy portability
Lens Paper	Used to lightly clean the objective and eyepiece glass surfaces

OPTIONAL ACCESSORIES	
Helmet Mount Assembly	Secures the night vision device to the operator's helmet for night viewing providing freehand support for use with a weapon, protective mask, or other purposes
IR Spot/Flood Lens	Converts the standard IR illuminator from a diffused light source to a beam of light that can be focused from 20° to 50°
3X or 5X Magnifier Lens	Increases the size of the viewed image by a factor of three or 5
Tethering Cord	Attaches to the night vision device enabling device to be worn around the neck
Shipping/ Storage Case	Provides protection for shipping and long term storage



Head Mounted



Helmet Mounted

About Harris Corporation

Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company's advanced technology provides information and insight to customers operating in demanding environments from ocean to orbit and everywhere in between. Harris has approximately \$8 billion in annual revenue and supports customers in 125 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

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