

Night Vision Goggles, Gen 3 AN/PVS-7D (F5001 Series)

For more than 50 years, Exelis has provided the military with premier vision-enhancing solutions. As the world's leading manufacturer of Generation 3 (Gen 3) image intensifier technology, Exelis continues to work hand-in-hand with customers to expand night vision and vision-enhancing capabilities, technologies, and resources.

Exelis also provides technical support, service, training, and maintenance for our products to maximize customer benefits and usability.

Exelis offers the popular AN/PVS-7D night vision goggle with various accessory options - all designed to meet individual customer performance requirements.

FEATURES AND 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



STANDARD ACCESSORIES

- Head Mount Assembly - Allows handsfree 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 - Provides convenient storage
- 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
- IR Spot/Flood Lens
- Magnetic Compass
- 3X or 5X Magnifier Lens
- Tethering Cord
- Shipping/ Storage Case

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SPECIFICATIONS

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° \pm 1° convergence \leq 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
Voltage Required	2.7 Vdc = 3.0 VDC, battery (50 mA, Maximum)
Battery Type	Two AA size 1.5-V alkalines, or One 3.0-V lithium (BA-5567-U)
Weight	680 grams maximum
Operating Temperature Range	-51°C to +49°C
Storage Temperature Range	-51°C to +85°C

DESCRIPTION

Exelis' AN/PVS-7D (F5001) night vision goggles enable military ground forces to conduct critical missions during the darkest nights of the year. Extremely lightweight, the AN/PVS-7D 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.

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Approved for unlimited distribution per 07-S-2318.

Specifications subject to change without notice.
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