



# ITT

*Unlimited Distribution*

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

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For more than 45 years, ITT Night Vision has provided the military with premier vision-enhancing solutions. As the world's leading manufacturer of Generation 3 (Gen 3) image intensification technology, ITT continues to work hand-in-hand with customers to expand night vision and vision-enhancing capabilities, technologies, and resources. ITT also provides technical support, service, training, and maintenance for our products to maximize customer benefits and usability.

ITT Night Vision offers the popular AN/PVS-7D night vision goggles 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 Cups**  
Prevent the emission of stray light or facial reflections
- **Demist Shields**  
Snap onto the eyepieces 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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*Engineered for life*

*The information contained in this document is approved for unlimited distribution per 07-S-2318.*

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## Description

ITT's 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.

## Specifications

Spectral Response	Visible to 0.90 $\mu\text{m}$ (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
Interpuillary 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 = 3.0Vdc, battery (50 mA, maximum)
Battery Type	Two AA size 1.5-V alkaline, 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



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Export of this product is regulated by the U.S. Dept. of State in accordance with guidelines of "International Traffic in Arms Regulations (ITAR)" per Title 22, Code of Federal Regulations, Parts 120-130.

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Specifications subject to change without notice.  
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