

# PVS-7 Single Tube Night Vision Goggle



The PVS-7D night vision goggle is the current military issue night vision goggle for the US armed forces. It is also the preferred choice of many foreign (NATO) forces. Produced by the hundreds of thousands, the PVS 7D will continue to march on for many years to come. Built to withstand water immersion, be hands free, utilize quick connect and disconnect features, include an infrared LED for use in complete darkness and assist in reading maps. An LED warning light is built into the unit to remind the user that the infrared LED can be seen by others who are using night vision devices. A low battery warning light is also built into the unit and there is also high light cut-off which will turn the unit off if it is left on during daylight conditions.

The PVS-7D runs on two AA batteries which power the unit for more than 40 hours. Originally built around a Gen II image tube, the introduction of the Gen III image tube increased the system performance by more than 50 percent and the tube lifespan by more than 300 percent. The PVS-7D version was a tube upgrade which increased performance.

For optimum performance, maximum durability, and the best possible supportability, the PVS-7D is the best choice for law enforcement, home security, outdoorsmen, boaters, campers, wildlife studies, or predator control.

- Two AA Battery Usage
- FIVE Year Warranty
- Simplicity of Use
- Infrared LED Indicator
- High Light Cutoff
- Low Battery LED

## System Performance

Model Number	<u>NVD-PVS-7D-P+</u>	<u>NVD-PVS-7D-P</u>	<u>NVD-PVS-7D-P-</u>
Tube Type	Gen III, Pinnacle	Gen III, Pinnacle	Gen III, Pinnacle
Power Supply	Gated	Gated	Gated
Photocathode Response	1750 min.	1500 min.	1350 min.
Signal to Noise Ratio	20.0 min.	18.0 min.	16.2 min.
EBI	2.5 max	2.5 max	2.5 max
Resolution	64 lp/mm min	57 lp/mm min	57 lp/mm min

## System Specifications

Field of View	40°
Magnification	one power (1X)
Diopter Adjustment	-6 to +2 Diopters
Eye Relief	15mm
Objective Lens	27mm, f/1.2
Focus Range	25cm to infinity
Power Source	2 AA Batteries
Weight	24 ounces
Size	6"L x 6"W x 3"H



Specifications subject to change without notice. Export of the commodities described herein is strictly prohibited without a valid export license issued by the U.S. Department of State Office of Defense Trade Controls prescribed in the International Traffic in Arms Regulation (ITAR), Title 22, Code of Federal Regulations, Parts 120-130.





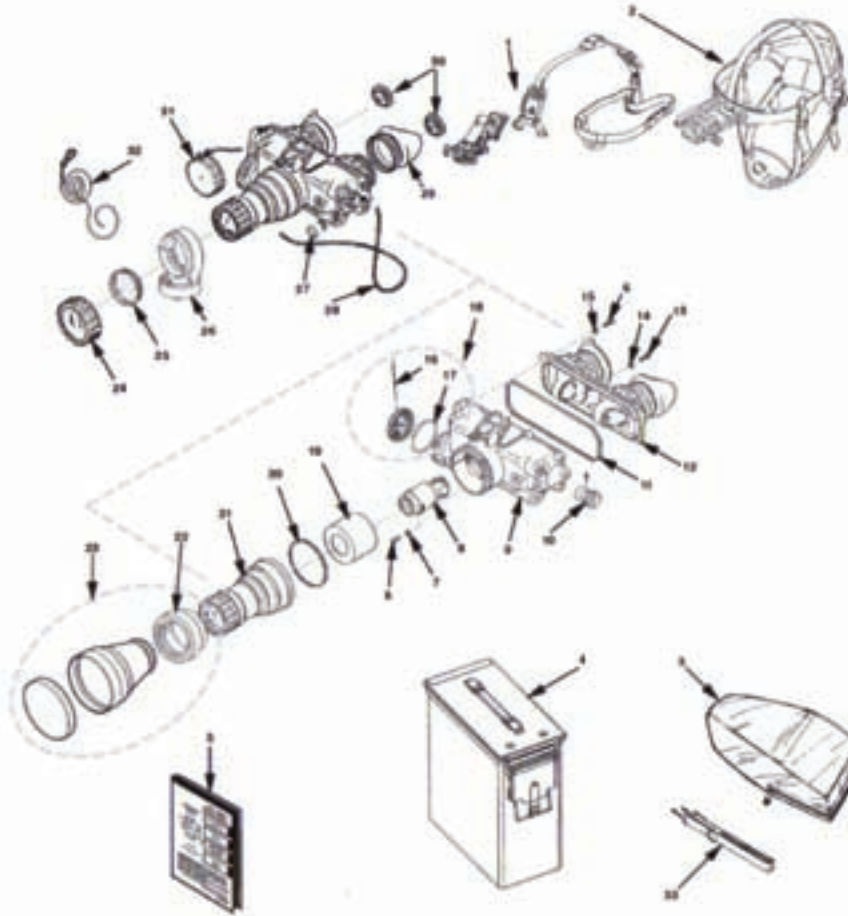
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Gen III Technology

## PVS-7 Single Tube Night Vision Goggle

**Each Unit Includes:** Soft Carry Case, (2) AA Batteries, Operator's Manual, Lens Paper, Headmount Assembly, Demist Shields, Sacrificial Window and IR Spot/Flood Lens.

**Optional Accessories:** Hard Carry/Storage Case, 3X Afocal Magnifier Lens, Magnetic Compass, and Flip Up Helmet Mount.



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|----------------------|------------------|--------------------------|-----------------|------------------|---------------------------------|
| 1. A3256368-1        | 5855-01-457-2953 | Helmet Mount Assembly    | 18. A3144394    | 5855-01-246-8265 | Battery Cap Assembly            |
| 2. A3144268          | 5855-01-246-8266 | Headmount Assembly       | 19.             |                  | Image Intensifier               |
| 3. A3187392          | 5855-01-398-4284 | Carrying Case, Unmarked  | 20. MS28775-032 | 5330-01-049-7374 | O-Ring, Objective               |
| 4. A3264350          |                  | Shipping Case, Unmarked  | 21. A3144305    | 5855-01-246-6807 | Objective Lens Assembly         |
| 5. TM 11-5855-262-10 |                  | Operator's Manual        | 22. A3187446    | 5855-01-444-5248 | Adapter                         |
| 6. MS51957-48        | 5305-00-224-0783 | Pan Head Screw           | 23. A3256391    | 5855-01-423-0817 | 3X Lens Assembly                |
| 7. MS15795-802B      | 5310-00-433-3599 | Washer                   | 24. A3144264    | 5855-01-246-8271 | Sacrificial Window              |
| 8. A3172531          | 5855-01-246-6808 | Collimator               | 25. 5009737     | 5855-01-379-1410 | Light Interference Filter (LIF) |
| 9. A3207330-2        | 5855-01-381-6048 | Wired Housing Assembly   | 26. A3187430    | 5855-01-387-6052 | Compass Assembly                |
| 10. A3144404         | 5930-01-246-8264 | Knob                     | 27. A3187441    | 5855-01-382-5169 | IR Spot/Flood Assembly          |
| 11. MS28775-044      | 5330-01-098-1232 | Quad Ring                | 28. A3144306    | 4020-01-446-8097 | Neck Cord                       |
| 12. A3144310         | 5855-01-246-6810 | Rear Cover Assembly      | 29. A3144422    | 5855-01-246-8273 | Eye Cup                         |
| 13. A3144315         | 5305-01-266-9341 | Purge Screw              | 30. A3144263    | 5855-01-246-8272 | Demist Shield                   |
| 14. A3144316         | 5331-01-356-7219 | Purge O-Ring             | 31. A3144318    | 5340-01-397-6608 | Lens Cap                        |
| 15. A3144314         | 5310-00-043-4708 | Washer                   | 32. A3260933    | 5340-01-451-7737 | Retaining Cord                  |
| 16. A3260939         | 5935-01-448-6355 | Battery Cap Retainer Kit | 33. A3144267    | 5340-01-250-2431 | Shoulder Strap                  |
| 17. MS28775-027      | 5330-00-729-4992 | O-Ring, Battery Cap      |                 |                  |                                 |

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