

BNVDG - Binocular Night Vision Device with Gain Control



The Night Vision Depot (NVD) Binocular Night Vision Device (BNVDG) is a dual tube night vision goggle/monocular that offers outstanding depth perception and is now enhanced with Gain Control. Each eyepiece has an independent gain control knob to allow the user to adjust the tube brightness (gain) lower to compensate for overly bright conditions or to increase the gain under extreme dark conditions. The user can also lower the gain in one eye so that when the binocular is removed one eye is more dark adapted.

The BNVD can be used as a monocular by choosing which side you want to use as your night vision eye and rotate the other side/arm of the binocular up and out of the way. Each arm is tight enough so that the rotated arm will not fall down, but stay in its user adjusted position. To use as a binocular, rotate both sides down or when night vision is no longer needed, shut off and rotate both sides up and out of the way. Never before could you utilize the depth perception of a collimated dual tube goggle and the convenience of a monocular in one system without switching equipment.

The BNVD is lightweight and can be worn comfortably for extended periods of time. When not in use and rotated upright it should not interfere with anything above the user's head. This reduces risk of damage to the goggle and mount from rapid vehicle exits. With this flexibility there are endless possibilities and combinations.

The NVD-BNVD utilizes MIL SPEC accessories and optics. It also includes head and helmet mounting options for the AN/PVS-7D, AN/PVS-14, AN/PVS-7A/C, AN/PVS-15 and AN/PVS-18. Optional ANVIS mount is available. Switching from one mounting system to another can be accomplished by the end user within minutes.

- Individual Gain Control Knobs for each eye
- Single AA battery usage
- FIVE Year Warranty
- Submersible to 66 feet
- Infrared LED Indicator in both eyepieces
- High Light Cutoff
- Low Battery Indicator LED in both eyepieces



Rotate up stow position



Use as a monocular



Schedule
Contract GS-07F-0022V

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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ITT

Powered by ITT
Gen III Technology

Each Unit Includes: Tube/System Data Sheet, Soft Carry Case, 7D Headmount, Lg. Med. & Small Browpads, Operators Manual, Neckcord, Obj & EP Lens Caps, Eyecups, Demist Shields, Sacrificial Windows, IR Spot/Flood Lens Assembly, Lens Tissue, 2 AA Batteries, Operator's Card, and Dovetail Mounting Adapter.

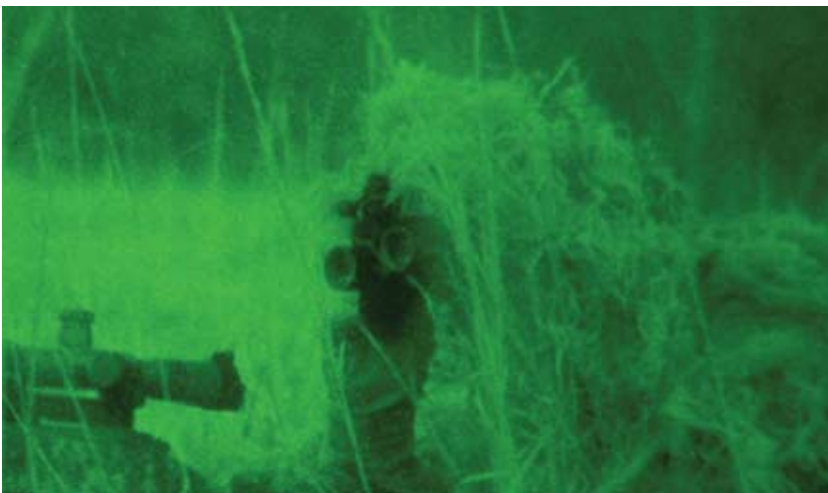
Optional Accessories: 3X Magnifier, Compass Assembly, Light Interference Filters (LIF for DOD users only), Helmet Mount PASGT (PVS-14/7D P/N A3256368-1), MICH Helmet Mount (P/N A3256368-2), Shuttered Eyeguards (P/N A3256345), Camera Adapter Kit, Dovetail Style PASGT Helmet Mount (P/N 241960-001), Dovetail Style SPH-5CG Visor Mount (P/N 241959-100), Dovetail Style Full Cushion Flip-Up Facemask (P/N 241638-001), Dovetail Style Underwater 4-Pad Flip-Up Facemask Assembly (P/N 241088-001), Dovetail Style Facemask Assembly Flip-Up (P/N 240459-001), and ANVIS mount adapter.

System Performance

Model Number	<u>NVD-BNVDG-P+</u>	<u>NVD-BNVDG-P</u>
Tube Type	Gen III, Pinnacle	Gen III, Pinnacle
Power Supply	Gated	Gated
Photocathode Response	1750 min	1500 min
E.B.I.	2.5 max	2.5 max
Signal to Noise Ratio	20.0 min	18.0 min
Resolution (min)	64 lp/mm	57 lp/mm

System Specifications

Field of View	40°
Magnification	one power (1X)
Diopter Adjustment	-6 to +2 Diopters
Eye Relief	25mm
Focus Range	25cm to infinity
Power Source	1 AA Battery
Battery Life	30 hours avg
Weight	22.9 ounces
Size	5"L x 5"W x 3"H



www.nvdepot.com

610-395-9743

