

PVS-22 Boresighted Night Sight



NVD's PVS-22 or Boresighted Night Sight (BNS) may be the most reliable and easiest to use night vision weaponsighting system ever fielded. Similar to the Universal Night Sight™, the PVS-22 incorporates gain control, which allows the user to lower the tube brightness (gain) to compensate for overly bright conditions or to increase the gain under extreme dark conditions.

The PVS-22 is a unique night vision system that is small enough to mount in front of any boresighted daytime scope with magnification ranging from one to twelve power. The PVS-22 does not require any boresighting and once mounted the daysight provides the aiming point. The PVS-22 maintains boresight despite normal misalignments due to mount position errors and does not alter the sighting centerline (parallax is unchanged from dayscope). The PVS-22 also contains no beam splitter or folded optics to go out of alignment.

The PVS-22 is revolutionary when used with a high magnification fixed or variable power dayscope. The magnification is provided by the dayscope, which typically has much smaller optics than those associated with normal 4X or 6X night vision weaponsights. This means there is no loss in system gain or typical f/number loss associated with large optics. Variable magnification dayscopes can actually zoom in (up to 12X) and still retain the same gain (image brightness) with only a slight loss in resolution.

Optimized for medium-range sniper weapons, assault rifles and machine guns including the MK11, M16, SCAR-H, M240 & 300 Win Mag. Effective on all weapons from carbines to .50 caliber semi-automatic sniper rifles.

- Mounts in Front of Dayscope
- Gain Control
- Magnification up to 12X
- No Boresighting Needed
- FIVE Year Warranty
- Adaptable to Almost any Weapon
- Commercial Version of the PVS-22/UNST™



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.





ITT

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Gen III Technology

PVS-22 Boresighted Night Sight

Each Unit Includes: Operator's Card, Soft Carry Case, Weaver Rail Mount, Flip Up Lens Caps, 2 AA Batteries, and a Lens Cleaning Kit.



System Specifications

Field of View	13°
Magnification	one power (1X)
Focus Range	10m to infinity
Power Source	2 AA Batteries
Weight (w/o batteries)	32 ounces
Size	7.08"L x 3"W x 2.95"H
Operation Time	40 hours @ 70°F
Boresight Accuracy	within 1 MOA
Boresight Repeatability	within 0.5 MOA
Dayscope Magnification	1 to 12 Power
Boresight Adjustment	None required
Boresight Retention	Permanent
Objective Lens Focal Length	68mm
Objective Lens f/number	f/1.15

System Performance

Model Information

Tube Type
Power Supply
Gain Control
Photocathode Response
Signal to Noise Ratio
EBI
Resolution

NVD-BNS-P+
Gen III, Pinnacle
Gated
Yes
1750 min
20.0 min
2.5 max
64 lp/mm

NVD-BNS-P
Gen III, Pinnacle
Gated
Yes
1500 min
18.0 min
2.5 max
57 lp/mm

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