

# PNVS

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## Pilot Night Vision System (NSN 5855-01-513-7561)



SURVIVAL, EVASION, RESISTANCE, ESCAPE (SERE)

The PNVS is a high performance modular, hand-held passive night vision monocular. It utilizes a single, Generation II or Generation III intensifier tube to provide crisp, clear images under the darkest conditions. The PNVS single tube / single eyepiece approach to night vision missions is based upon the proven concept that independent use of each eye maximizes the ability of the user to operate under a wide range of low light conditions. This tactic tends to enhance the field of view while reducing the risks of temporary night blindness typically associated with night vision goggles.

With the PNVS, the user retains his full peripheral vision in the unaided eye in conjunction with the 40 degree field of view offered by the night vision device. The integrated near-IR illuminator enhances the ability of the user to read maps and operate at night to evade enemies in hostile territories.

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*DISTRIBUTION: OSR 09-S-2205 Approved for public release; distribution unlimited. © 2012 Nivisys*

### FEATURES\*

- 2nd/3rd Generation
- Extremely Affordable
- High Res: 64 lp/mm
- Lightweight
- Compact (4.2")
- Rugged Design
- Hands-free Operation
- Integrated IR Illuminator
- Submersible to 20m
- Low Battery Indicator
- Single Battery Use (AA or CR123)
- 40 Hours of Continuous Operation (3.0 VDC)
- MIL-SPEC

**For more information  
on the PNVS or other  
Nivisys products call  
(480) 970-3222 or visit  
us on the web at  
[www.nivisys.com](http://www.nivisys.com).**

**PNVS BASIC KIT:**

- PNVS Monocular Assembly
- Soft Carry Case
- Battery Adapter
- Neck Cord
- Objective Lens Cap
- Sacrificial Filter
- Batteries (AA and CR123)
- Lens Tissue
- Demist Shield
- Operator Manual
- Quick Reference Guide



**SPECIFICATIONS\***

**Image Intensifier Tube**  
18mm 2nd/3rd Gen

**Resolution**  
1.3 cy/mR (typical Gen III)

**Spectral Response**  
400-950nm

**Objective Lens**  
27mm, f/ 1.2

**Magnification**  
1x (unity)

**Field of View**  
40° standard  
13.3° with 3x Afocal  
10.0° with 4x Afocal  
8.0° with 5x Afocal

**Focus Range**  
15mm - ∞

**Battery Type**  
CR123 lithium or AA

**Battery Life**  
>40 hours operations (CR123)  
>20 hours operation (AA)

**Dimensions (L x W x H)**  
10.75 x 6.85 x 4.95 cm

**Diopter Range**  
+4 to -6

**Weight**  
260 grams

**Eye Relief**  
27mm

**Indicators**  
Low battery (yellow)  
IR illuminator (red)

**Environmental**  
-51C to +45C (operating)  
-51C to +85C (storage)  
20m (submersible)

\*Specifications are subject to change without notice.

**ACCESSORIES**



**Swing Arm Interface**  
Adapter between unit and head or helmet mounts



**Magnifier Lenses**  
3x, 4x, 5x Quick attach Afocal lenses



**Compass**  
Attaches to the objective lens



**IR Flood/Spot**  
Attaches to the unit's IR source



**Weapon Mount**  
Quick attach mount to a standard picatinny rail



**Head Mount**  
Allows for hands free operation



**Shuttered Eyecup**  
For covert operations



**Helmet Mount**  
Easily secures to helmet for combat missions