

PVS-7B/D

Feb. 15, 2019

Commercial Exportable Night Vision Goggle



The PVS-7B/D is the standard issue goggle for U.S. ground forces to conduct night operations. Using the latest GEN II or GEN III image intensifier tubes the PVS-7B/D will perform in the darkest of nights. The system has a built-in IR Illuminator for no light operations and a highlight cut-off sensor to protect the image intensifier in case of extended exposure to high light conditions. The PVS-7B/D is a completely MIL-SPEC system that has been ruggedized and waterproofed for harsh environments.

Made to be head/helmet mounted the PVS-7B/D is extremely lightweight adding to user comfort for long missions. Using one hand, the PVS-7B/D can be dismantled quickly. The unit uses two standard AA batteries that will provide a minimum of 40 hours of continuous operation. Optional 3X and 5X magnifier lenses are available to increase the range of the goggle for long distance observations.

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

DISTRIBUTION: OSR 09-S-2206 Approved for public release; distribution unlimited. © 2016 Nivisys

FEATURES*

- GEN II or GEN III
- Lightweight
- Compact
- Rugged Design
- Hands-free Operation
- Integrated IR Illuminator
- MIL-SPEC
- Auto-off on disconnect from mount
- Head or Helmet Mountable
- Indicators
 - Low Battery
 - IR Active

For more information on the PVS-7B/D or other Nivisys products call (915) 633-8354 or visit us on the web at www.nivisys.com.

PVS-7B/D BASIC KIT:

- PVS-7 Goggle System
- Soft Carry Case
- Neck Cord
- Objective Lens Cap
- Sacrificial Window
- Batteries, AA (2)
- Lens Tissue
- Demist Shield (2)
- Shoulder Strap
- Eyecup Assembly (2)
- Operator Manual
- Head Mount Assembly with pads
- Quick Reference Guide



OPTIONAL ACCESSORIES



Compass (Optional)
Attaches to the objective lens



IR Flood/Spot (Optional)
Attaches to the unit's IR source



Magnifiers (Optional)
Optional 3x, 4x, 5x Afocal lenses



Helmet Mount (Optional)
Easily secures to helmet for combat missions

SPECIFICATIONS*

Image Intensifier Tube
18mm, GEN II, GEN III

System Resolution[‡]
>.86 cy/mR (GEN II)
>1.3cy/mR (GEN III)

Spectral Response
400-950nm

Auto Brightness Control

Interpupillary Distance
55 to 71mm

Objective Lens
27mm, f/ 1.2

Premium Coated

Magnification
1X (unity)

Field of View
40° standard

Focus Range
25cm to infinity

Battery Type
AA Alkaline or Lithium (2ea.) or
BA-5567/U Lithium (1ea.)

Battery Life
>50 hours operation (AA) Alkaline

Dimensions (L x W x H)
15.24 x 15.56 x 10.16 cm

Diopter Range
+2 to -6

Weight
680g (with goggle, head mount
and batteries)

Eye Relief
15mm

Environmental
Immersion

1m for 30 mins

Temperature

-51°C to +49°C (operating)

-51°C to +85°C (storage)

[‡] MIL-G-49313 GEN II SPEC
MIL-PRF-49313 GEN III SPEC

*Specifications are subject to change without notice.

