

Single Tube Night Vision Goggle

AN/PVS-7B/D

*Survival -
depends on the
ability to see*



The AN/PVS-7B/D is an 18mm Gen II or Gen III single tube Night Vision Goggle that was originally designed by Northrop Grumman. A new designation of AN/PVS-7B/D has been adopted by US Armed Forces that incorporates an advanced Gen III image tube with 64 lp/mm resolution. The goggle is intended for land use including vehicle driving. It is normally worn on a headmount or helmet mount device. When using the optional helmet mount, the goggle will automatically shut off in the up position. The goggle and its adapter are independently removable from the helmet strap.

The goggle is powered by two internal AA batteries. When the batteries become low, a warning light is illuminated in the eyepiece field-of-view. The goggle has an infrared light source that will illuminate the nearby scene on command. This will allow the user to read maps, perform night repairs or perform maintenance tasks.

The goggle may be used in conjunction with a personal weapon equipped with a boresighted infrared or visible aim-light/pointer.

The AN/PVS-7B/D is designed to shut-off when it is removed from its mount, or flipped to the "up" position. This feature prevents the user from being illuminated by the eyepieces when in either of these modes.

An "ON-OFF" knob controls all of the features of the goggle. The "RESET" position is for reactivating the system after it was removed from its mount, or the goggle was flipped to the "up" position..

Each eyepiece and the objective lens can be individually focussed. These controls can be operated while wearing arctic mittens. The system may be used in conjunction with a protective face mask.



Standard Browpad
Mounting



Ruggedized Multi-Position
Flip-Up Helmet Mount



3X Magnifier
(Snap-on or Screw-On)



5X Magnifier
(Screw-On)

SYSTEM SPECIFICATIONS

Model Numbers: Gen II – M962 / Gen III – M963

	1X	3X	5X
OPTICAL	Goggle	Afocal	Afocal
Field of View (Deg):	40.0	11.6	7.7
Min. Focus Range:	20cm	10m	25m
Objective:			
Focal Length:	26mm	75mm	130mm
F-Number:	1.17	1.5	2.4
T-Number:	1.3	1.8	2.7
Eyepiece:			
Diopter Adjustment:		+2 to - 6	
Eye Relief:		15mm	
Interpupillary Adjustment:		55 mm to 71 mm	

MECHANICAL (Standard goggle without Afocal)

Weight: (Goggle w/Mask Assy):	650 grams
Dimensions (cm):	14.08 long X 15.56 Wide

ELECTRICAL

Power Source:	2 - AA Batteries (Alkaline) or 1 - BA-5567/U (Lithium)
---------------	---

ENVIRONMENTAL

Operating Temperature:	- 51 C to + 45 Deg. C
Storage Temperature:	- 51 C to + 85 Deg. C
Humidity:	90% up to +65 C for 240 hours
Immersion:	1 meter for 30 minutes

For more information, please contact:

Northrop Grumman Corporation
Electro-Optical Systems
3414 Herrmann Drive
Garland, TX 75041
Telephone: 972-840-5629
Fax: 972-271-2195
Email: sales@litton-eos.com
Website: www.littoneos.com



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.