

Binocular Night Vision Device (BNVD)

The AN/PVS-31A BNVD is a compact, lightweight, Gen III dual-tube goggle with improved white phosphor tube technology for greater target detection and recognition. Low-light and nighttime maneuvers appear more natural in black and white, with added contrast detail in shapes and shadows providing the operator more visual information for assessment and acquisition. White phosphor offer various shades of intensity between black and white (over black and green), resulting in better contrast and depth perception.

It has an ergonomic low-profile design and offers superior situational awareness compared to a single tube goggle. Working directly with input from SOF Operators, the BNVD was designed to increase system resolution, significantly reduce head borne-weight, improve system center of gravity, provide additional operational utility, and improve overall situational awareness as compared to currently fielded dual-tube goggles. The white phosphor BNVD is a follow-on to our legacy, battle-proven AN/PVS-15 and AN/PVS-31 standard green phosphor night vision goggles.



- Includes GEN III image intensification tubes (I²) with auto-gated technology to prevent damage in high-light environments
- I² tubes are available at various performance levels ranging from 1600 FOM to greater than 2376 FOM



- The BNVD has a rotating binocular design that provides dominant/non-dominant eye relief
- Offers protection in the field against failure or damage as compared to a single tube goggle



Binocular Night Vision Device (BNVD)

BENEFITS:

- High performance white phosphor image with enhanced degree of detail in overall contrast and range of shades
- Provides the operator more visual information for accurate assessment and acquisition

FEATURES:

- Manual system gain and focus adjustments for custom image quality optimization
- Lightweight ergonomic design reduces head-borne weight and decreases neck strain
- Snap-on diopter lenses optimize operator preference for visual acuity
- Rotating binocular design allows low profile against helmet when in stowed position and ability to use as a single monocular
- Quick release helmet-mount design
- Auto OFF when stowed; resumes power when deployed
- Red LED in left and right monocular indicates when 10 minutes or more of battery life remains
- Replaceable I² tube assemblies (accepts MX-11769 or MX-10160)



Replaceable I² tubes for future upgrades without retrofitting



- Compact design reduces head-borne weight and decreases neck strain
- Low stow position decreases snag hazard



- Optional 4-cell battery pack provides longer performance using readily available AA batteries
- Works with currently fielded dovetail helmet mounts and is compatible with a variety of equipment

SYSTEM CHARACTERISTICS

Dimensions:	4.2 in. L x 4.2 in. W x 3.4 in. H
Weight:	490 g (1.08 lbs.) with AA battery installed
Battery Type:	(1) AA lithium
Battery Life:	≥ 8 hrs. on (1) AA lithium battery (avg. 16 hrs. at 23° C) ≥ 24 hrs. on (4) AA lithium batteries with optional 4-cell battery pack (avg. 50 hrs. at 23° C)
Field of View:	40° ± 2° deg. (horizontal & vertical)
Objective Focus:	18 in. to infinity
Eyepiece Diopter:	-0.5 ± 0.1 (factory setting) adjustable from +2.0 to -2.5
Image Intensification:	U.S. manufactured MX-11769 Gen III variable gain tubes
Waterproof:	66 ft. immersion for 2 hours

Warrior Systems – Insight Technology

9 Akira Way
 Londonderry, NH 03053
 Tel: 866-509-2040
 Email: Quotes.Insight@L-3com.com
www.L-3com.com/WarriorSystems

This document consists of basic marketing information that is not defined as technical data under ITAR Part 120.10.

© Copyright 2015 L-3 Communications Corporation, Warrior Systems Sector, Insight Technology Division. Specifications are approximate and subject to change without notice.

