



# AN/PVS-31A – BNVD WHITE PHOSPHOR

Binocular Night Vision Device (BNVD)

CHARACTERISTICS	
Dimensions	4.7 in. L x 4.2 in. W x 3.4 in. H
Weight	< 450 g (0.99 lb.) with AA Lithium battery installed (no accessories)
Battery Type	(1) AA Lithium
Battery Life	≥ 8 hrs. on (1) AA Lithium battery (avg. 16 hrs. at 25 °C (77 °F)) ≥ 24 hrs. on (4) AA Lithium batteries with optional 4-cell battery pack (avg. 50 hrs. at 25 °C (77 °F))
Field-Of-View	40° ± 2° deg. (circular)
Objective Focus	18 in. (45 cm ±3 cm) to infinity
Eyepiece Diopter	-0.5 ±0.1 (factory setting) adjustable from +2.0 to -2.0 with optional diopter lenses
Image Intensification	U.S. manufactured MX-11769 Gen III variable gain tubes
Waterproof	66 ft. immersion for 2 hrs

## FEATURES

- > Manual system gain and focus adjustments for custom image quality optimization
- > Lightweight ergonomic design reduces head-borne weight and decreases neck strain
- > Optional diopter lenses optimize operator preference for visual acuity
- > Rotating binocular design allows low profile against helmet when in stowed position and the option to use as a single monocular
- > Works with currently fielded dovetail helmet mounts
- > Auto OFF when stowed; resumes power when deployed
- > LED indicators in left and right monocular alert the operator when the BNVD has no less than 10 minutes of battery life remaining
- > Replaceable/upgradeable I<sup>2</sup> tube assemblies



The L3Harris 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 provides varying shades of intensity between black and white (over black and green), resulting in better contrast and depth perception.

**I<sup>2</sup> tubes are available at various performance levels ranging from 1600 FOM to greater than 2376 FOM**

The device has an ergonomic low-profile design and offers superior Situational Awareness compared to a single-tube goggle. Working directly with input from Special Operations Forces 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 compared to currently fielded dual-tube goggles. The white phosphor BNVD is a follow-on to our legacy, battle-proven AN/PVS-15.



## BENEFITS

- > Includes Gen III Image Intensification Tubes (I<sup>2</sup>) with Auto-Gated Technology to prevent damage in high-light environments
- > 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

### AN/PVS-31A BNVD White Phosphor Binocular Night Vision Device (BNVD)

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