

AN/PVS-31D (F5032) LIGHTWEIGHT NIGHT VISION BINOCULAR



KEY BENEFITS

- Gen 3 18mm gated Pinnacle® tubes providing the highest performance and reliability available under all light levels
- High resolution, high gain, and very high photoresponse in visible and near infrared
- Industry-leading, close-focus technology for intricate, mission-critical tasks
- Image intensifier tubes serviceable at the unit level
- Vertical viewing ability prevents shut off when user tilts head
- Available in fixed or adjustable diopter lenses
- Integrated IR illuminator brightens zero-light areas
- Manual brightness adjustment
- Submersible up to 20 meters
- Built to meet requirements of performance specification 284109

For more than 60 years, Elbit Systems of America - Night Vision has provided the military with premier vision-enhancing solutions. Our AN/PVS-31D (F5032) lightweight night vision binocular is designed for use by the individual soldier in a variety of ground-based night operations, and is manufactured according to the performance specification 284109. All systems are qualified according to that specification and tested to meet customer requirements. Whether reading printed map details, administering medical support, repairing weapons or re-configuring a radio, the AN/PVS-31D provides essential visual ability while still maintaining cover under darkness. The AN/PVS-31D is also configurable with fixed or adjustable diopter lenses to accommodate individual user optical requirements. An intuitive vertical viewing capability recognizes when the binocular is in use and prevents shut-off from activating when a user looks up, such as when climbing a ladder. An auto shut-off engages only when the goggles are in the stowed position. The AN/PVS-31D also includes an integrated IR illuminator, so the user does not have to carry extra equipment.

AN/PVS-31D (F5032)

LIGHTWEIGHT NIGHT VISION BINOCULAR

STANDARD ACCESSORIES

- Carrying case
- Eye cups, lens caps
- Protective lenses
- Operator kit (manual, quick reference card, lens wipe)
- Helmet mount

OPTIONAL ACCESSORIES (FOR EXAMPLE)

- External battery pack (3-cell or 4-cell)
- Counterweights
- Power cable (single or Y-cable)
- Amber filters
- Helmet mount (other configurations)
- Demist shield or anti-fog wipes
- Lens cloth
- 3X magnifier lens
- Shipping and storage case

SYSTEM SPECIFICATIONS

OPTICAL SPECIFICATIONS

| | |
|----------------|------------------|
| Field of View | 40° nominal |
| Magnification | 1X |
| Submersibility | 66 ft. for 2 hrs |

PHYSICAL SPECIFICATIONS

| | |
|------------|--------------------------------------------------|
| Weight | ≤ 500 g depending on goggle configuration |
| Dimensions | 3.01 x 3.99 x 3.77 in (7.65 x 10.13 x 9.57 cm) * |

ELECTRICAL SPECIFICATIONS

| | |
|---------------------------|----------------------------------------------------------------|
| Battery Life | ~ 24 hours depending on battery type and operating temperature |
| Battery Type | One AA size battery (lithium or alkaline) |
| Integrated IR Illuminator | Yes |

MECHANICAL SPECIFICATIONS

| | |
|----------------------------------------------|------------------------|
| Diopter Adjustment, Fixed Configuration | +2 to -2.5 diopters ** |
| Diopter Adjustment, Adjustable Configuration | +2 to -6 diopters |
| Focus Range | 25 cm to infinity |

* measurements were taken with the goggle fully collapsed and without sacrificial lenses or covers

** a wider range of lenses can be made available upon request

This datasheet applies to several variations and/or model numbers of the AN/PVS-31D (F5032) Lightweight Night Vision Binocular. Differences can be related to component variations or the image intensifier specification. All questions should be referred to nightvision@elbitsystems-us.com.