

AN/PVS-14 (F6015) MONOCULAR NIGHT VISION DEVICE



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
- Multifunctional: handheld as a monocular, head-mounted or helmet-mounted as a single-eye goggle, or weapon-mounted as a night scope
- Variable gain control for enhanced performance in altering light conditions
- Lightweight: 355 g maximum
- The AN/PVS-14 uses many components and ancillary accessories common to the AN/PVS-7D series
- Powered by a universally available AA battery
- Available with P45 white phosphor (F9415) and P43 green phosphor (F9815) image intensifier tubes
- Manufactured according to US DOD MIL-PRF-49324D

For more than 60 years, Elbit Systems of America - Night Vision has provided the military with premier vision-enhancing solutions. As the world's leading manufacturer of Generation (Gen) 3 image intensifier technology, we continue to work hand-in-hand with customers to expand night vision and vision-enhancing capabilities, technologies and resources. Our AN/PVS-14 (F6015) monocular night vision device (MNVD) is designed for use by the individual soldier in a variety of ground-based night operations, and is manufactured according to US DOD MIL-PRF-49324D. All systems are qualified according to that specification and tested to meet customer requirements. The AN/PVS-14 features the superior performance of the Gen 3 MX-11769 image intensifiers in either P45 white phosphor (F9415) or P43 green phosphor (F9815) with a variable gain control to achieve an optimum balance in the images seen by both eyes. The dark-adapted unaided eye provides situational awareness and visibility of close-range objects, while the night vision-aided eye provides long-range visibility of potential threats and targets. This visual flexibility enables the soldier to move quietly and effectively under all night-time conditions.

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STANDARD ACCESSORIES

- Head/ helmet mount adapter (" j-arm")
- Carrying case
- Eye cup, lens cap
- Demist shield, sacrificial lenses
- Operators kit (manual, quick reference card, lens paper)

OPTIONAL ACCESSORIES (FOR EXAMPLE)

- Helmet or head mount assembly
- Small-arms mounting adapter, eyeguard
- Camera adapter ring kit
- 3X or 5X magnifier lens
- Shipping and storage case
- Dual mount adapter

SYSTEM SPECIFICATIONS

OPTICAL SPECIFICATIONS

- | | |
|-----------------|---------------|
| • Field of View | • 40° nominal |
| • Magnification | • 1X |

PHYSICAL SPECIFICATIONS

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|--------------------|--|
| • Weight (maximum) | • 355 g |
| • Dimensions | • 2.4 x 2.3 x 4.5 in (6.1 x 5.8 x 10.6 cm) |

ELECTRICAL SPECIFICATIONS

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|-------------------------------|--------------------------------------|
| • Battery Life | • 60 hours (alkaline) at 23°C (73°F) |
| • Battery Type | • One AA battery |
| • Operating Temperature Range | • -59°F to 102°F (-51°C to +49°C) |
| • Integrated IR Illuminator | • Yes |

MECHANICAL SPECIFICATIONS

- | | |
|-------------------------|--|
| • Diopter Adjustment | • +2 to -6 diopters |
| • Objective Lens EFL | • 27 mm |
| • Eyepiece Lens EFL | • 27 mm |
| • Exit Pupil/Eye Relief | • 14 mm on-axis exit pupil at 25 mm eye relief |
| • Focus Range | • 25 cm to infinity |
| • Flip-up/Flip-down | • Yes |

This datasheet applies to several variations and/or model numbers of the AN/PVS-14 (F6015) monocular night vision device. Differences can be related to component variations or the image intensifier specification. All questions should be referred to nightvision@elbitsystems-us.com.