

## SBNVG

### SQUAD BINOCULAR NIGHT VISION GOGGLE



#### KEY BENEFITS

- Gen 3 Gated Pinnacle® tubes providing the highest performance and reliability available under all light levels.
- Optimum resolution, high gain, and photo response to near infrared
- Features our high-performing white phosphor image intensifier tubes
- Lightweight system design with maximum battery life also exceeds industry standards for target detection, thermal highlighting, focus range and mechanical backlash
- Integrated compass provides heading information and forward projecting near-infrared (NIR) illuminator enables subterranean (SubT) operations. These combined features maximize stand-off protection and increase situational awareness
- Built to meet requirements of USMC SBNVG performance specification PS-SBNVG-001

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 3 (Gen 3) image intensifier technology, we continue to work hand-in-hand with customers to expand night vision and vision-enhancing solutions, technologies, and resources.

The Squad Binocular Night Vision Goggle (SBNVG) enhances warfighter performance and agility with capabilities for overlayed image intensified and infrared imagery. This Gen 3 system combines the Optics 1 E-COTI with our AN/PVS-31D for superior nighttime viewing under a variety of environments and conditions. The SBNVG system is manufactured according to the USMC SBNVG performance specification PS-SBNVG-001. All systems are qualified according to that specification and tested to meet customer requirements.

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## SQUAD BINOCULAR NIGHT VISION GOGGLE

### STANDARD COMPONENTS

- AN/PVS-31D night vision goggle
- E-COTI
- Helmet mount
- External battery pack (EBP)
- Y cable

### SYSTEM SPECIFICATIONS

#### OPTICAL SPECIFICATIONS

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

#### PHYSICAL SPECIFICATIONS

- |                         |                                  |
|-------------------------|----------------------------------|
| • Weight                | • 1035 g maximum                 |
| • Immersion             | • 66 ft for 2 hrs                |
| • Operating Temperature | • -4°F to 122°F (-20°C to +50°C) |

#### ELECTRICAL SPECIFICATIONS

- |                |                                                      |
|----------------|------------------------------------------------------|
| • Battery Type | • AA for the AN/PVS-31D & EBP, CR123A for the E-COTI |
| • Battery Life | • ≥ 10 hrs (full system)                             |