

## AN/PSQ-44 (F6025) ENHANCED NIGHT VISION GOGGLE-BINOCULAR (ENVG-B)



### KEY BENEFITS

- Features Gen 3 enhanced performance white phosphor image intensifier tubes and fused thermal imaging
- Optimal display resolution of 1280 x 1024 with best-in-class 10 micron thermal camera resolution of 640 x 480
- Smart battery pack offers extended battery life
- Detection range of greater than 500 m
- Protection from cyber vulnerability controls
- Manufactured according to the US DOD MIL-PRF-A3309696(D)

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 AN/PSQ-44 (ENVG-B) system is a modular, helmet-mounted, passive electro-optical night vision long wave infrared (LWIR) imaging device in a binocular configuration. The system integrates dual image intensification (I2) sensors with the LWIR imagery, offering heads-up situational awareness and ISW compliance. The AN/PSQ-44 also offers side stow, which allows the system to be operated in a monocular configuration. It has an integrated IR illuminator and mounts on all helmets currently in military inventory. The AN/PSQ-44 has a multi-point wireless interface to the Family of Weapon Sights - Individual (FWS-I) as

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well as the Small Tactical Optical Rifle Mounted Micro-Laser Range Finder (STORM MLRF), and is compatible to Nett Warrior in order to provide data and power management to the AN/PSQ-44. The FWS-I and Nett Warrior input will support Rapid Target Acquisition (RTA) and Augmented Reality (AR) capabilities on the AN/PSQ-44. The AN/PSQ-44 is manufactured according to the US DOD MIL-PRF-A3309696(D). All systems are qualified according to that specification and tested to meet customer requirements.

## STANDARD COMPONENTS

- Goggle (imaging assembly)
- Positioning assembly with universal helmet mount
- Smart battery pack (also known as AR/RTA battery pack)
- End User Device (EUD) Wireless Link Adapter (EWLA)

## SYSTEM SPECIFICATIONS

OPTICAL SPECIFICATIONS	
• Field of View	• 40° nominal
• Magnification	• 1X
PHYSICAL SPECIFICATIONS	
• Weight of Binocular	• < 1133 g maximum (includes batteries and main components), ENVG-B goggle only: < 680 g maximum
• Operating Temperature	• -40°F to 120°F (-40°C to +49°C)
• Dimensions	• 4.25 x 4.05 x 4.55 in (10.79 x 10.28 x 11.55 cm)
ELECTRICAL SPECIFICATIONS	
• Battery Type	• QTY 4 AA lithium batteries
• Battery Life	• > 7.5 hrs at -4°F to 120°F (-20°C - +49°C), Fused with RTA/AR > 3.5 hrs at -4°F to 120°F (-20°C - +49°C)
• Startup Time	• < 2 sec