

ENHANCED NIGHT VISION GOGGLE-BINOCULAR (ENVG-B)

The most advanced goggle ever fielded
by the U.S. Army

At L3Harris, we think ahead and design quality technologies to keep those on the front lines safe. As the defense industry demands more interconnected and interoperable technologies, L3Harris delivers innovative mission solutions that address customers' critical challenges across air, land, sea, space and cyber domains.

PROVIDES OVERMATCH CAPABILITY ON THE BATTLEFIELD

The L3Harris ENVG-B delivers next-generation night vision technology that enhances the soldier's ability to locate and engage threats and access common operating environment imagery, thus improving the soldier's situational awareness, mobility and protection.

The ENVG-B is a helmet-mounted dual-waveband goggle with a larger thermal field-of-view and increased thermal range ahead of its predecessors.



ENVG-B provides targeting and identification in all battlefield conditions as well as light levels including degraded visual environments such as smoke, fog and debris. The goggle includes L3Harris' high-performance white phosphor image intensification technology fused with thermal imagery, thereby bridging the gap in performance and capability for both of these sensors.

BRINGING THE FUTURE TO OUR CUSTOMERS

ENVG-B is compatible with the L3Harris Smart Battery Pack for features including wireless communications, Rapid Target Acquisition (RTA) and augmented reality (AR). The smart battery pack supports RTA capabilities to display the zeroed weapon sight reticle and a portion of the weapon sight thermal image overlaid in the ENVG-B. This is the Army's first heads-up display that is both day and night capable, fusing white phosphor and thermal vision at the push of a button.

This cutting-edge night vision technology includes an embedded Intra-Soldier Wireless (ISW) Network to deliver real-time video and target asset information within the goggle display which interfaces with the U.S. Army's Nett Warrior programs.



High-Quality Performance

HELMET-MOUNTED
DUAL-WAVEBAND GOGGLE

**Provides Improved Situational
Awareness, Mobility, Lethality
and Protection**

- > **Binocular Image Intensifier (I2) channel**
- > **Latest in 12 μ m LWIR FPAs fused with I2**
- > **Full-color 1280 x 1024 (SXGA) display for maps and information overlay**
- > **Compatible with Smart Battery Pack for RTA and AR**

High-Quality I2 Tubes

RELIABLE WEAPON SHOCK
GRADE PERFORMANCE

**Unparalleled Low-Light Night
Vision Performance**

- > **MIL-SPEC 18 mm I2 tubes**
- > **Gen III white phosphor technology**
- > **2304 Figure Of Merit (FOM)**
- > **32 Signal-to-Noise Ratio (SNR)**
- > **72 lp/mm resolution**

L3Harris has invested in Open Systems Technologies which is driving the shift toward “software-defined everything” and continues to propel forward to bring the future to its customers.

INCREASED SITUATIONAL AWARENESS, MOBILITY, PROTECTION AND LETHALITY FOR THE SOLDIER

The ENVG-B incorporates RTA capabilities to the goggle, enabling soldiers to see around corners and behind cover without risk of exposure while targeting. This gives soldiers the ability to identify, assess and engage a target with greater accuracy and speed, both of which are exponentially important to protecting the Army’s most powerful asset — its soldiers.

- > Increased mobility
- > Enhanced vision in degraded battlefield conditions
- > Improved accuracy

ENVG-B PROGRAM FAST FACTS

- > Delivered more than 10,000 ENVG-B systems to U.S. Army combat-ready brigades
- > Conducted more than a dozen soldier touchpoint events
- > Awarded \$391 million sole-source directed requirements contract in 2018
- > Awarded \$12 million phase 1 Program of Record (POR) contract in 2019
- > Awarded \$442 million Other Transaction Authority for the ENVG-B POR in 2020
- > Conducted limited user evaluations to validate system design and performance

ENVG-B Directed Requirements Contract



ENVG-B Program of Record Contract



Enhanced Night Vision Goggle-Binocular

ENVG-B

The L3Harris ENVG-B is the most advanced helmet-mounted dual-waveband goggle with RTA, AR capabilities and can interface with the U.S. Army’s Nett Warrior program.

Additional Features for the Soldier

- > Objective focus 18 inches to infinity
- > Diopter eyepieces that allow use by soldiers with differing visual acuity
- > FPAs fused with I² for left or right eye configurations
- > Auto-off when stowed and resumes power when deployed
- > Infrared illuminator

ENVG-B Enhanced Night Vision Goggle-Binocular

© 2024 L3Harris Technologies, Inc. | 10/2024 | L27193

NON-EXPORT CONTROLLED: THIS DOCUMENT CONSISTS OF INFORMATION THAT IS NOT DEFINED AS CONTROLLED TECHNICAL DATA UNDER ITAR PART 120.33 OR TECHNOLOGY UNDER EAR PART 772.

L3Harris Technologies is the Trusted Disruptor in the defense industry. With customers’ mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit [L3Harris.com](https://www.l3harris.com) for more information.



1025 W. NASA Boulevard
Melbourne, FL 32919

[L3Harris.com](https://www.l3harris.com)