

# ENVG-B ENHANCED NIGHT VISION GOGGLE-BINOCULAR

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 (FOV) 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 Inner Soldier Wireless Network (ISWN) 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 I<sup>2</sup> channel
- > Latest in 12 μm LWIR FPAs fused with I<sup>2</sup>
- > Full color 1280 x 1024 (SXGA) display for maps and information overlay
- > Compatible with Smart Battery Pack for RTA and AR

## High-Quality I<sup>2</sup> Tubes

RELIABLE WEAPON SHOCK  
GRADE PERFORMANCE

Unparalleled Low-Light Night  
Vision Performance

- > MIL-SPEC 18 mm I<sup>2</sup> 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
- > Decreased target engagement time



## 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 I<sup>2</sup> for left or right eye configurations
- > Auto-off when stowed and resumes power when deployed
- > Infrared illuminator

#### ENVG-B Enhanced Night Vision Goggle-Binocular

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers’ mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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