

BNVD-FUSED

Binocular Night Vision Device—Fused

Advanced Dual-Wave Goggle

BNVD-Fused Night Vision and thermal technologies deliver enhanced features and leading-edge capabilities to target, engage and neutralize threats in adverse conditions during day or night scenarios. When combined with the smart L3Harris battery pack, this helmet-mounted, fused system delivers critical battlefield information directly to an operator's eye.

- > Gen III I² tubes with auto-gated technology prevents damage in high-light environments*
- > Adjustable diopter eyepieces to support use by operators with differing visual acuity
- > Twin tube design provides greater protection against failure or damage

INDUSTRY-LEADING OPERATIONAL OVERMATCH

BNVD-Fused employs image intensification technology fused with thermal imagery to increase capabilities of both of these sensors. This gives operators increased capabilities and features a larger Field-Of-View (FOV) and a thermal range—significant improvements over its predecessors. Operators can now rely on better Situational Awareness (SA) for targeting and identification in all battlefield conditions and light levels.

BNVD-Fused is based on the combat-proven L3Harris FGE and BNVD/PVS-31A, and is responsive to near infrared aiming lasers. This solution is compatible with the L3Harris Smart Battery Pack which adds expanded capabilities including wireless communications and Augmented Reality.

* BNVD-Fused I² tubes are available at various performance levels and exportable subject to Department of State approval.



ROTATING BINOCULAR DESIGN

Allows for low profile against helmet when in stowed position and the ability to use as a single monocular that includes unique, auto power-down on stow to avoid detection.



High-Quality FPAs and I² Tubes

HELMET-MOUNTED DUAL-WAVEBAND GOGGLE

- > Provides significantly improved SA and protection
- > Latest in 12 μm LWIR FPAs fused with I²
- > Full color 1280 x 1024 (SXGA) display for maps and information overlay
- > Incorporates two high-performance, white phosphor 18 mm I² tubes

Industry- Leading Performance

RELIABLE MIL-SPEC DESIGN

- > Superior low-light Night Vision capabilities
- > Standard BNVIS mount for maximum flexibility with helmet-mounting hardware
- > Gen III white phosphor technology
- > Auto OFF when stowed; resumes power when deployed
- > Objective focus adjustment from 9.8 inches (25 cm ± 3 cm) to infinity



Fused outline mode



White-hot fused overlay

FUSED TECHNOLOGIES

L3Harris is the first company today shipping leading-edge, combat-ready augmented reality solutions. Our Night Vision I² fused with thermal imaging provides forces with advanced capabilities to target, engage and neutralize threats. Our fused technologies deliver top performance even in adverse conditions, including fog, rain, snow and smoke, and during the darkest of nights or daytime operations.



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BNVD-Fused is a dual-waveband, helmet-mounted goggle engineered to significantly improve operator Situational Awareness, targeting and identification over standard night vision goggles

Additional Features for the Warrior

- > Monocular option supports dominant and non-dominant eye
- > Gen III I² tubes with auto-gated technology prevents damage in high-light environments
- > Twin tube design provides greater protection against failure or damage versus single-tube devices
- > Auto-off when stowed and resumes power when deployed

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