



N2
IMAGING SYSTEMS

Thermally Enhanced Night Vision Goggle

Latest Generation Fused LLL and Thermal Goggle

The Thermally Enhanced Night Vision Goggle is the latest generation of night vision technology designed for and used by the U.S. Army. This monocular night vision goggle includes a GEN III night vision tube fused with imagery from a 60 Hz 640x480 resolution uncooled long wave infrared (LWIR) thermal camera. The goggle improves Situational Awareness as well as Target and Threat Detection and Identification with the use of a high performance thermal imager which also supports operation through obscurant smoke and in complete darkness.

- < 2 pound head-borne weight
- Leading edge thermal imager
- Operates helmet mounted or handheld
- Fits standard helmets (ACH, Lightweight ACH, ACH Gen II, ECH, IHPS)
- Fully adjustable positioning assembly for either eye

FEATURES

- System includes LLL/Thermal goggle with eyecup, lens cover, laser interference filter, sacrificial window, and lanyard, as well as Adjustable Helmet Mount Assembly, Positioning Assembly and Battery Pack
- Auto-off when stowed (flip-up), auto-on when flipped back down
- > 34 degree fused Field of View (38° LLL FOV)
- High speed fiber optic interface to transport data between goggle and battery pack for future “smart” battery pack implementations
- Helmet mount incorporates antenna for wireless video/rapid target acquisition
- Backward compatible helmet mount with legacy NVGs
- Mounts on all helmet sizes from Small to Extra Large
- Compatible with common eyewear



FEATURES CONT.

- **Low Power:** < 1.5W
- **Low Thermal Image Latency:** < 30 milliseconds
- **Long Range:** >150 meters (LLL), >400 meters (thermal)
- **Lightweight:** Goggle < 1 lb., System < 2 lbs.
- **Compact:** Goggle dimensions 4.24 x 3.52 x 2.69 in, (107.8 x 89.53 x 68.45 mm)
- **Focus:** Infinity to 10 inches (map reading)
- **Adjustable Diopter:** +1 to -2 diopter
- **Operational Readiness:** < 15 seconds
- **HD Display:** 1280 x 1024
- **Battery:** Life indicator

For additional information:

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