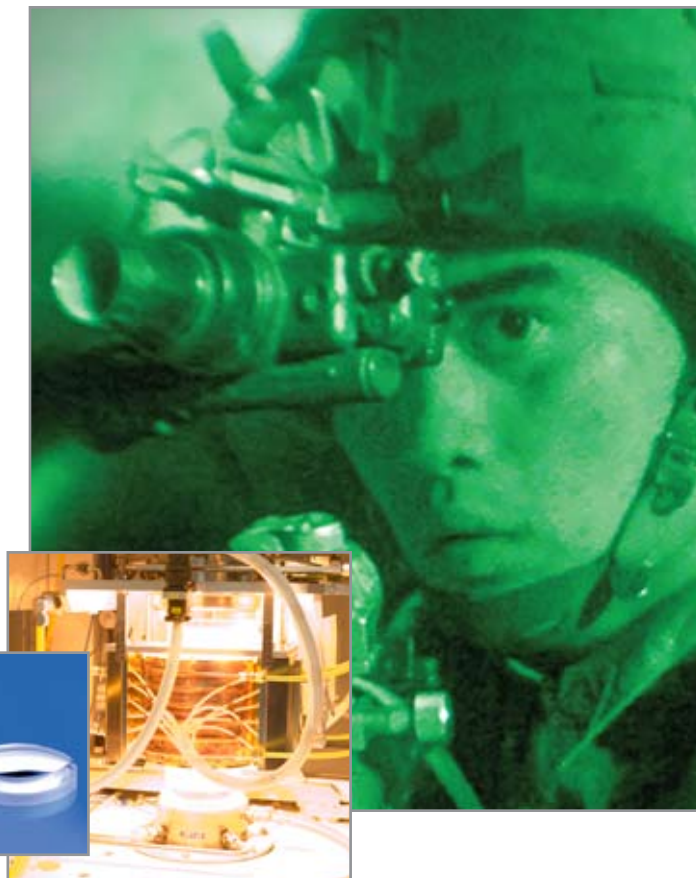


EO OPTICAL TECHNOLOGY INNOVATING NIGHT VISION

Molded Aspheric and Essential Night Vision Assembly Technology For Use in Tactical Systems

Edmund Optics® plays an important role in enabling our armed forces to detect and identify enemy threats and to then engage and defeat the enemy at a safe distance. Performance and weight requirements of the next generation of situational awareness devices require the use of **precision aspheres**. Developing the technology to fabricate and incorporate these components into enabling subsystems *domestically* is vital to our national interests.

Edmund Optics® is committed to reducing the US Government's dependence on foreign production of critical Night Vision technology.



DESIGNS

LEGACY:

- Eyepiece, Objectives, and Optical Accessories for PVS14, ANVS6... etc.
- Newly developed designs that out-perform existing products
- Cost-effective assembly and testing at Edmund Optics® US facilities
- Designed for the most rugged environments (shock, immersion, etc.)

ENHANCED NIGHT VISION GOGGLE (ENVG):

- Eyepiece, Visible Path Objective, Beam Combiner, and Optical Accessories
- Full compliance with latest ENVG Mil-Perf
- Assembly and Testing at Edmund Optics® US facilities

CUSTOM DESIGNS:

- **Development:** A team of US citizens: optical and opto-mechanical engineers
- **Optics:** Leveraging US's largest vertically-integrated optics production facility
- **Coatings:** Exclusive coatings have been developed specifically for Night Vision
- **Assembly:** The largest US active alignment facility dedicated to Night Vision
- **Testing / Qualification:** Highly advanced and unique optical metrology for Night Vision

Contact us Today for A Volume or Custom Quote



**THE PREMIER U.S.-BASED PRECISION
MANUFACTURER OF NIGHT VISION OPTICS**



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856.573.6250 | www.edmundoptics.com

EO OPTICAL TECHNOLOGY

INNOVATING DEFENSE

CUSTOM OPTICS

DESIGN EXPERTISE:

- Integration of aspheric technology for next generation requirements and weight savings
- Optical designs with unrivalled performance-to-cost ratios optimized for US manufacturing
- Opto-mechanics that withstand the most demanding environmental conditions (immersion, shock, ESS...)
- Full optimization of non-sequential attributes for improved veiling glare, straylight, and transmission
- Internally developed macros to predict as-built performance specifically for defense precision optics.

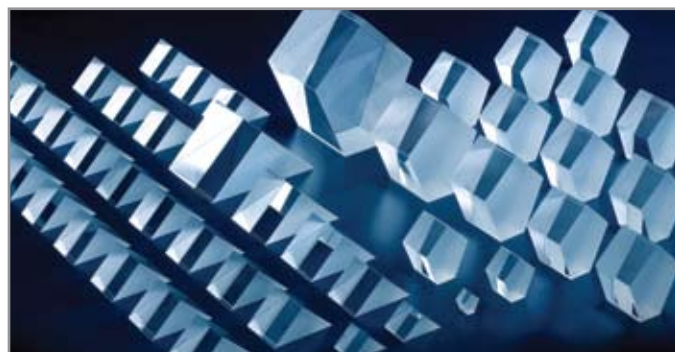


MANUFACTURING EXPERTISE:

- Conventional and CNC optics production
- Precision Glass Molding
- Spheric / aspheric lens and flat / prism work
- Coatings: Filter / AR / ITO Metal / Specialty coatings
- Conventional and CNC metals & plastics
- Clean room assembly, active-alignment, sealing, vacuum and purging

METROLOGY EXPERTISE:

- State-of-the-art Optical Metrology
- Automated equipment for optical parameters such as EFL, Distortion, Field Curvature, and concentricity
- Radiometrics: straylight, veiling glare, etc.
- Automated MTF measurement equipment
- Environmental testing equipment such as ESS, salt fog, shock, vibration, and humidity



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