

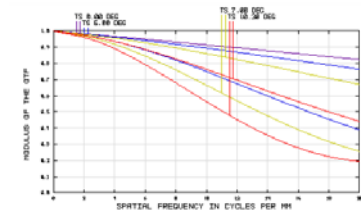
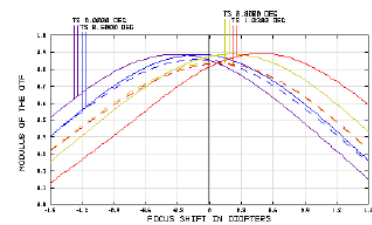
SCHOTT® Optical Design, Measurement & Assembly Capabilities

Optics for defense and security applications

SCHOTT North America, Inc. has established in Southbridge, MA the capabilities for optical system design and development for lens assemblies utilized in defense and security applications.

These new capabilities include optical system design services for lenses and housings in both the visible and IR spectrums. In addition, SCHOTT offers optical/mechanical characterization, measurements and environmental testing.

Optical, Opto-Mechanical and System Design



Capabilities

Wide Field of View Optimization

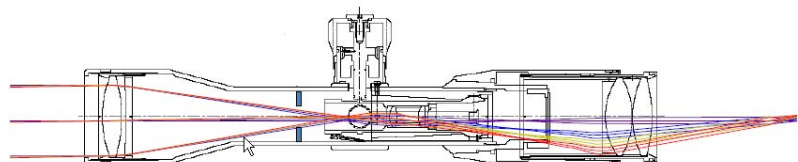
Lens and Housing Tolerancing

Thermal Analysis

Modulation Transfer Function (MTF)

Spectral Transmission

Ray Tracing Analysis



SCHOTT
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Precision Optical Assembly and Bonding

Capabilities

- Optical Alignment for Lens Centering
- Wedge Angle Measurement
- Front Focal Length (FFL)
- Back Focal Length (BFL)
- Effective Focal Length (EFL)
- Modulation Transfer Function (MTF)
- Precision Lens Alignment and Bonding (Lens to Lens, Fiber Optic to Display and Fiber Optic to Sensor)



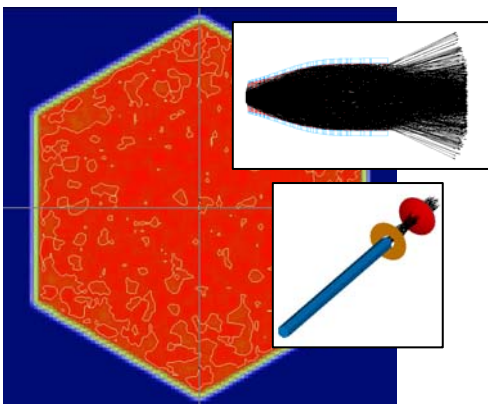
Photo Courtesy of Trioptics

Optical Measurement

Capabilities

Modulation Transfer Function (MTF)	Measurements of lenses and lens systems
Interferometry (Zygo)	Flatness, curvature and surface quality measurements of lenses and fiber optic components
Optical Transmission	Transmission measurements of lenses, filters, and fiber optic components

Optical Modeling



Capabilities

- Light Propagation
- Shape Optimization
- Front Focal Length (FFL)
- Scatter Analysis
- Collimated / Coherent and Lambertian Analysis

For more information please contact

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