



TESTING SERVICES

Lens Testing

- Visible Systems
- Infrared Spectrums
- Image Quality MTF
- UV-VIS Transmission Measurements
- IR Transmission Measurements
- Astigmatism
- Field Curvature and Tilt
- Distortion
- Relative Illumination
- Subjective Quality Factor (SQF)
- Strehl Ratio
- Radial Energy Distribution
- Field of View
- Relative Spectral Transmission
- Total Transmission
- Veiling Glare and Stray Light
- Effective Focal Length
- Flange Focal Length
- Back Focal Length
- F-Number
- Entrance and Exit Pupil Diameters

Camera Testing

- Modulation Transfer Function (MTF)
- Contrast
- Linearity
- Signal Transfer Function (SiTF)
- Minimum Resolvable Contrast (MRC)
- Noise Power Spectrum (NPS)
- Root Mean Square Noise (RMS)
- Noise Equivalent Luminance (NEL)
- Minimum Detectable Contrast (MDC)
- Minimum Resolvable Temperature Difference (MRTD)
- Minimum Detectable Temperature Difference (MDTD)
- Signal Transfer Function (SiTF)
- Equivalent Temperature Difference (NEDT)

Other Metrology Capabilities

Non-Imaging Measurements

- LED Power Output
- LED Spectral Characteristics
- Radiometric Parameters
- Photometric Parameters
- Prism Angles

Optical Element Characteristics

- Radius of Curvature
- Center Thickness
- Diameter
- Index of Refraction
- Abbe Number
- Surface Irregularity
- Surface Quality
- Stressed Birefringence
- Phase-shifting Interferometric Measurements
- Dioptric Power of Spectacle Lenses

Complete our Testing Services Questionnaire at optikos.com

phone: 617.354.7557

email: sales@optikos.com

Components and Systems Measured

Types of Optical Systems Measured

- CCD, CMOS, and Photographic Lenses
- NIR and Night Vision Optics
- Thermal IR Lenses
- Miniature Optics
- Automotive Lenses
- Intraocular Lenses (IOLs)
- Cellphone Camera Lenses
- Webcam Lenses
- Microscope Objective Lenses
- Custom Lenses
- Prototype (Proof-of Concept) Lenses

Types of Electro-Optical Systems Measured

- CCDs and CMOS Sensors
- Microbolometers
- FPAs
- Starring Arrays
- Mid and Long Wave Cameras
- Thermal Imagers
- Displays
- Image Intensifiers and Image Intensifying Systems

Types of Non-Imaging Systems Measured

- LEDs
- OLEDs
- Optical Bandpass Filters
- Computer Privacy and Glare Reducing Screens
- Railroad Signals
- Pool Illumination Optics

Complete our Testing Services Questionnaire at optikos.com

phone: 617.354.7557

email: sales@optikos.com