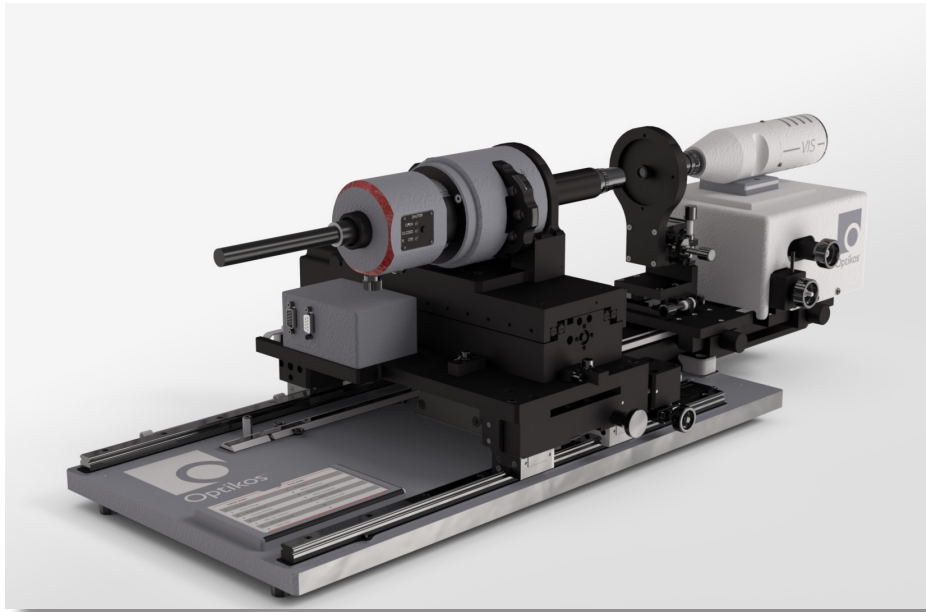


POWERED BY OPTEST® SOFTWARE

LensCheck™ Small Format Finite Conjugate System



The LensCheck Small Format Finite Conjugate System is configured for measuring MTF and other properties of lenses designed for close conjugate imaging. This compact system allows measurements at object distances from 0 to 300mm, over field diagonals up to 250 mm. It's available as a stand-alone system, or as an accessory to the standard LensCheck VIS system used for infinite conjugate measurements.

Ideal for measuring finite conjugate lenses in applications that include:

- Medical imaging and surgical applications
- Cell imaging systems
- Low-magnification microscopy
- Finite conjugate objectives (objective/tube lens pairs)
- Inspection or short-TTL machine vision optics
- Macro lenses

LensCheck™ Small Format Finite Conjugate Specifications

- Source Control:
 - Motorized X-axis: 250 mm travel with 0.1µm resolution encoder
 - Manual Z-Axis: 300 mm travel with 2µm resolution encoder
- 20X and 60X object re-projection objectives
- 32" by 14" footprint
- 0.5m mounting rail to accommodate a wide range of test setups
- LensCheck Tower Mount with manual X, Y, Z stages and C-mount adapter included

LensCheck™ VIS Source Module

- 150-Watt Tungsten Halogen Fiber Optic Light Source, 400-1000nm spectrum
- Configurable for use with LED source
- Electronic shutter enables automatic background corrections
- 8-position Manual Target Wheel populated with standard target set: 6 pinhole targets, USAF 1951 target, and alignment crosshair
- 8-position Manual Filter Wheel populated with filter set: 546nm bandpass, photopic, RGB, and infrared cutoff filters

LensCheck™ Visible Image Analyzer

- GigE Camera with improved sensitivity, dynamic range, and noise characteristics
- Spectral sensitivity 400-1000nm
- 6MP or greater
- 4.54µm pixel size, typical
- 12-bit digital video
- Calibrated 40X 0.65NA achromatic DIN objective

LensCheck™ Image Analyzer Mount

- Motorized X- and Z-axes with 25mm total travel
- Integral X-axis glass scale linear encoder with 50nm resolution suitable for precise measurements of lens magnification and distortion
- Manual Y-axis with 12mm total travel
- Mounted to rail carrier for ease of use on the Finite Conjugate Platform

OpTest® 7 Software and Computer System

- Intuitive graphical user interface
- Easy-to-configure test routines
- Faster measurement time
- Advanced report generation to Microsoft Excel®
- Windows® 64-bit computer with two 24" full HD LED-LCD monitors
- USB Motion Control



Get Started with Optikos

Optikos offers metrology products and services for measuring lenses and camera systems, as well as engineering design and manufacturing for optically-based product development. Our standard products are suitable for any industry or application, and we will design a custom product for your specific needs. Learn more at optikos.com.

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