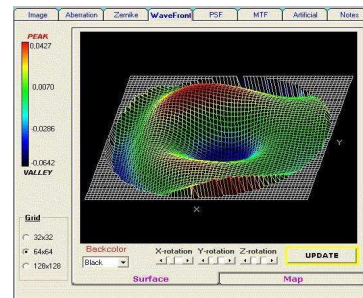
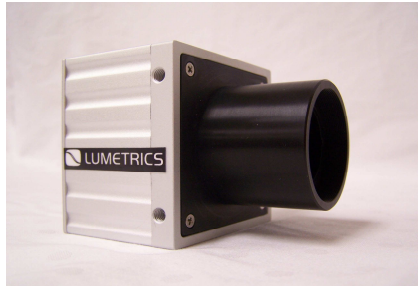


Accurate and Reliable Wavefront Measurement



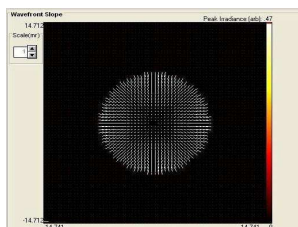
Highest quality Shack-Hartmann wavefront sensors for characterizing laser beams and optical systems
Analysis software that has been proven by hundreds of users

Measurements (for both CW and pulsed beams)

- Peak-to-Valley wavefront error
- RMS wavefront error
- Zernike aberrations:
 - tilt, defocus, coma, astigmatism, spherical aberration, and higher order aberrations
- 2D and 3D wavefront images
- 2D and 3D intensity images
- Beam quality M^2
- Strehl ratio
- Other beam characteristics:
 - beam diameter, ellipticity, divergence
- Point Spread Function
- MTF
- Beam propagation: Calculated beam size and image at user-entered distance from wavefront sensor

More features

- User-adjustable analysis masks to define measurement area
- Reference files to null aberrations in beam expanding or reducing optics, and for optical quality comparisons
- External triggering for characterizing pulsed lasers
- Export data to text and other formats. Print test reports.
- Optional Software Development Kit (SDK) for users to program custom interface and for remote operation



Above is a wavefront slope display showing the slope vectors for each lenslet

Represented by
HMS Technology Sales
 Contact Harry Skolnik
 Phone 415.924.6300
 Email harry@hmstechnologiesales.com
 Website www.hmstechnologiesales.com

Applications

- Laser beam characterization (CW and pulsed)
- Optical system characterization
- Optical system design, set up and alignment

Models

Wavelength range: 193 nm - 1100 nm

- CLAS-XP 7.4 mm x 7.4 mm aperture
 - 5 lenslet array choices
 - Up to 102 x 102 measurement samples

Wavelength range: 300 nm - 1100 nm

- CLAS-HP 15 mm x 15 mm aperture
 - 4 lenslet array choices
 - Up to 128 x 128 measurement samples

Wavelength range: NIR 1050 nm - 1700 nm

- CLAS-NIR-320 7.7 mm x 9.6 mm aperture
 - 6 lenslet array choices
 - Up to 24 x 30 measurement samples

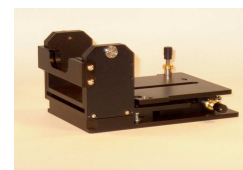
CLAS-NIR-640 12.8 mm x 16 mm aperture

- 4 lenslet array choices
- Up to 56 x 71 measurement samples

Accessories

Tip/tilt gimbal mount

- Custom-designed gimbal mount for easy and precise alignment of wavefront sensor



Beam Expanders and Reducers for larger and smaller beams

