

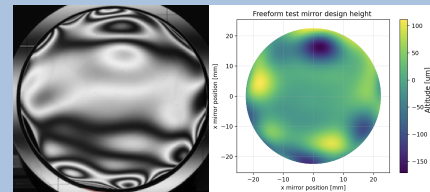
# Excellence in deflectometry

**WYSE light** proposes a cost-effective and innovative table-top deflectometer capable of measuring the absolute shape of reflective surfaces to high precision.

**From concept...**



**... to result**



## Simplicity

A push-button instrument with no need of fine alignments. To lift the fundamental shape ambiguity associated with deflectometry, measurements are performed with varying screen and camera positions. Bundle adjustment yields a single shape coherent with all these redundant data.

## Performance

Deflectometry is capable of measuring complex shapes and freeforms with no need of costly nulls or CGHs. Middle and high spatial frequencies are measured with a typical 5 nm accuracy, and the low frequency (focus and astigmatism) with a typical 20 nm accuracy.

## Robustness

- Integrated calibration bench for camera/lens sight rays characterization.
- Self-calibrating: camera and screen positions are numerically fine-tuned for each measurement.
- Low sensitivity to parasitic vibrations: no damped optical table required!
- Low sensitivity to air turbulence.