



**PHASICS**  
The phase control company

# SID4-NIR

## HIGH RESOLUTION WAVEFRONT SENSOR AT 1.55 $\mu\text{m}$

SID4-NIR is a cost-effective, high-resolution wavefront sensor used to measure and align laser sources and lenses used in optical telecommunications at 1.55  $\mu\text{m}$ .

**APPLICATIONS:** Optical components and assemblies | FSO | Automotive | Laser industry

### SPECIFICATIONS

Wavelength range	1.5 - 1.6 $\mu\text{m}$
Aperture dimensions	4.73 x 3.55 mm <sup>2</sup>
Phase spatial resolution	29.6 $\mu\text{m}$
Phase & Intensity sampling	160 x 120 (>19 000 points)
Resolution (Phase)	< 11 nm RMS
Accuracy (Absolute)	15 nm RMS
Frame rate	> 60 fps
Real-time processing frequency	10 fps (full resolution)*
Interface	FireWire IEEE1394B
Dimensions	44 x 43 x 64.5 mm <sup>3</sup>
Weight	~ 250g

\* with SID4 software