



**PHASICS**  
The phase control company

# SID4 DWIR

## DUAL BAND WAVEFRONT SENSOR FOR THE 3-5 $\mu\text{m}$ AND 8-14 $\mu\text{m}$ BANDS

SID4 DWIR is the first off-the-shelf high resolution wavefront sensor for dual band infrared from 3 to 5  $\mu\text{m}$  and 8 to 14  $\mu\text{m}$ . It is well suited to characterize IR optics, blackbody sources, 3.39  $\mu\text{m}$  or 10.6  $\mu\text{m}$  laser beams and systems.

**APPLICATIONS:** [Laser industry](#) | [Defense](#) | [Optical components & assemblies](#) | [Aerospace](#)

### SPECIFICATIONS

Wavelength range	3-5 $\mu\text{m}$ and 8-14 $\mu\text{m}$
Aperture dimensions	10.88 x 8.16 mm <sup>2</sup>
Phase spatial resolution	68 $\mu\text{m}$
Phase & Intensity sampling	160 x 120
Resolution (Phase)	25 nm RMS
Accuracy (Absolute)	75 nm RMS
Frame rate	50 fps
Real-time processing frequency	> 10 fps (full resolution)*
Interface	Giga Ethernet
Dimensions	89 x 102 x 156 mm <sup>3</sup>
Weight	~ 1.6kg

\* with PhaseStudio software