



PHASICS
The phase control company

SID4-DWIR

DUAL BAND WAVEFRONT SENSOR FOR THE 3-5 μm AND 8-14 μm BANDS

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

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

SPECIFICATIONS

Wavelength range	3-5 μm and 8-14 μm
Aperture dimensions	10.88 x 8.16 mm ²
Phase spatial resolution	68 μm
Phase & Intensity sampling	160 x 120
Resolution (Phase)	75 nm RMS
Accuracy (Absolute)	25 nm RMS
Frame rate	50 fps
Real-time processing frequency	> 10 fps (full resolution)*
Interface	Giga Ethernet
Dimensions	85 x 118 x 193 mm ³
Weight	~ 1.6kg

* with SID4 software



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