



PHASICS
The phase control company

SID4 SWIR HR

HIGH RESOLUTION SWIR WAVEFRONT SENSOR

The SID4 SWIR HR wavefront sensor integrates Phasics patented technology with an InGaAs detector. Thanks to its ultra-high spatial resolution (160 x 128 phase pixels) and high sensitivity, it offers accurate wavefront measurement from 900 nm to 1.7 μm . SID4 SWIR HR is an innovative solution for testing SWIR lens used in optical communications, inspection instruments or night vision in military and surveillance devices.

APPLICATIONS: Automotive | FSO | Optical components & assemblies | Aerospace

SPECIFICATIONS

Wavelength range	0.9 - 1.7 μm
Aperture dimensions	9.60 x 7.68 mm ²
Phase spatial resolution	60 μm
Phase & Intensity sampling	160 x 128
Resolution (Phase)	< 2 nm RMS
Accuracy (Absolute)	15 nm RMS
Frame rate	30 fps
Real-time processing frequency	> 7 fps (full resolution)*
Interface	Giga Ethernet
Dimensions	100 x 55 x 63 mm ³
Weight	~ 500g

* with SID4 software