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 1.7µm. 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 | FSOC | Optical components & assemblies | Aerospace

SPECIFICATIONS

Wavelength range	0.9 - 1.7 µm
Aperture dimensions	9.60 x 7.68 mm²
Phase spatial resolution	60 µm
Phase & Intensity sampling	160 x 128
Resolution (Phase)	< 2 nm RMS
Accuracy (Absolute)	15 nm RMS
Frame rate	100 fps
Real-time processing frequency	7 fps (full resolution)*
Interface	Giga Ethernet
Dimensions	100 x 55 x 63 mm³
Weight	~ 500g

** with SID4 software*

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