



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 μ m. 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 μ m
Aperture dimensions	9.60 x 7.68 mm ²
Phase spatial resolution	60 μ m
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 mm ³
Weight	~ 500g

* with SID4 software



光技術をサポートする
株式会社オプトサイエンス

<https://www.optoscience.com>

東京本社 〒160-0014 東京都新宿区内藤町1番地 内藤町ビルディング TEL:03-3356-1064
大阪営業所 〒532-0011 大阪市淀川区西中島7-7-2 新大阪ビル西館 TEL:06-6305-2064
名古屋営業所 〒450-0002 名古屋市中村区名駅2-37-21 東海ソフトビル TEL:052-569-6064

E-mail : info@optoscience.com