

# SID4-SWIR-HR

## WAVE FRONT SENSOR



### ↓ SPECIFICATIONS

Wavelength range	0.9 – 1.7 $\mu\text{m}$
Aperture dimensions	9.60 x 7.68 mm <sup>2</sup>
Spatial resolution	60 $\mu\text{m}$
Phase and intensity Sampling	160 X 128
Accuracy	15 nm RMS
Resolution (Phase)	<2nm RMS
Acquisition rate	120 fps
Real-time processing frequency	> 7 fps (full resolution)
Interface	Giga Ethernet
Dimensions	100 x 55 x 63 mm
Weight	455 g

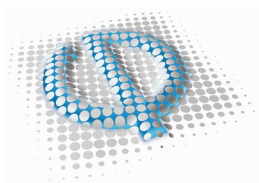
→ The SID4-SWIR-HR wavefront sensor integrates Phasics patented technology with an InGaAs detector. Thanks to its high spatial resolution and great sensitivity, it offers accurate wavefront measurement over its whole spectral range **from 900 nm to 1.7  $\mu\text{m}$** .

The 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. It provides both MTF and aberrations at once.

The SID4-SWIR-HR also enables characterizing SWIR sources like 1.55  $\mu\text{m}$  lasers or LEDs for laser guiding systems.

### ↘ KEY FEATURES

- Extended spectral range from 0.9 to 1.7  $\mu\text{m}$
- High resolution – 160 X 128
- High sensitivity - <2nm phase noise through the whole spectral range (compatible with low energy IR source)
- High stability
- Cooled detector
- Compact & Cost effective

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