



PHASICS
The phase control company

SID4-NIR

HIGH RESOLUTION WAVEFRONT SENSOR AT 1.55 μm

SID4-NIR is a cost-effective, high-resolution wavefront sensor used to measure and align laser sources and lenses used in optical telecommunications at 1.55 μm .

APPLICATIONS: [Optical components and assemblies](#) | [FSOC](#) | [Automotive](#) | [Laser industry](#)

SPECIFICATIONS

Wavelength range	1.5 - 1.6 μm
Aperture dimensions	4.73 x 3.55 mm ²
Phase spatial resolution	29.6 μm
Phase & Intensity sampling	160 x 120 (>19 000 points)
Resolution (Phase)	< 11 nm RMS
Accuracy (Absolute)	15 nm RMS
Frame rate	> 60 fps
Real-time processing frequency	10 fps (full resolution)*
Interface	FireWire IEEE1394B
Dimensions	44 x 43 x 64.5 mm ³
Weight	~ 250g

* with SID4 software