



**PHASICS**  
The phase control company

# SID4 HR

## VERY HIGH RESOLUTION WAVEFRONT SENSOR

SID4 HR brings very high phase sampling (416 x 360) and high dynamic range (500  $\mu\text{m}$  PV) to the most demanding wavefront measurement applications. Its large aperture and extreme wavefront sensitivity makes it perfectly suited to direct measurement of large diverging beams without relay optics.

**APPLICATIONS:** [Defense](#) | [Astronomy](#) | [Optical components & assemblies](#) | [AR/VR](#)

### SPECIFICATIONS

Wavelength range	400 - 1100 nm
Aperture dimensions	9.98 x 8.64 mm <sup>2</sup>
Phase spatial resolution	24 $\mu\text{m}$
Phase & Intensity sampling	416 x 360
Resolution (Phase)	<2 nm RMS
Accuracy (Absolute)	20 nm RMS
Frame rate	10 fps
Real-time processing frequency	3 fps (full resolution)*
Interface	Giga Ethernet
Dimensions	80 x 77.5 x 86.4 mm <sup>3</sup>
Weight	~ 600g

\* with SID4 software