

SID4 LWIR-640 (8-14 μm)

WAVE FRONT SENSOR



↓ SPECIFICATIONS

Aperture dimension	16 x 12 mm ²
Spatial resolution	100 μm
Sampling	160 x 120
Wavelength range	8 - 14 μm
Accuracy (Absolute/Relative mode)	75 nm RMS / 25 nm RMS
Sensitivity	25 nm RMS
Analysis rate	> 10 fps
Acquisition rate	40 fps
Dimensions (WxHxL)	96 x 110 x 90 mm
Weight	850 g

→ PHASICS introduces an **ultra high resolution wave front sensor** for long wavelength IR region (from 8 μm to 14 μm).

For **laser beam metrology** (CO₂ laser, LWIR OPO laser sources), the SID4 LWIR-640 gives an exhaustive beam characterization (aberrations, M², intensity profiles, beam parameters).

For **optical metrology**, the SID4 LWIR-640 is the perfect tool to characterize IR objectives (thermal imaging, security & safety vision) or IR lenses (for CO₂ laser) giving you aberrations, surface quality, PSF, MTF and focal length.

↘ KEY FEATURES

- High resolution (160 x 120)
- Absolute measurement
- Broadband
- High numerical aperture measurement for analysis without any additional relay lens
- Fast measurement
- Insensitive to vibration
- Cost effective

PHASICS - The phase control company

Distribution in the UK & Ireland



www.lambdaphoto.co.uk

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