

SID4 sC8

Product/Model: **SID4 sC8 VIS - NIR (400 - 1100 nm)**



Product Overview: Designed for life science and material inspection quantitative phase imaging applications, the SID4 sC8 brings fast, accurate, and truly quantitative phase measurement in a compact, plug-and-play solution. Biologists will benefit from label-free cell imaging, high sensitivity, and automatic segmentation, while material scientists will have access to accurate refractive index measurement, laser damage analysis, and surface characterization.

Key Features

- Sub-nanometric OPD sensitivity
- Single-shot phase and intensity measurement
- Compatible with acquisition software: Metamorph, Micromanager, NIS-Elements...

Applications

- **Material inspection**
- **Quantitative Phase Imaging** •

Specifications:

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|---------------------------------------|--------------------------------|
| Sensor technology | sCMOS |
| Wavelength range | 400 - 1050 nm |
| Aperture dimension | 16.64 x 14.04 mm ² |
| Spatial resolution | 19.5 μm |
| Phase and Intensity sampling | 852 x 720 |
| Resolution (Phase) | < 2 nm RMS |
| Acquisition rate | 40 fps |
| Real-time processing frequency | Up to 10 Hz (full resolution)* |
| Microscope interface | C-mount |
| Computer interface | USB3.0 |
| Dimensions (WxHxL) | 82 x 89 x 145 mm ³ |
| Weight | 82 x 89 x 145 mm ³ |