Designed for life science and material inspection microscopes, 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.

**APPLICATIONS:** Life science | Material inspection | Thermal imaging

**KEY FEATURES**

- sCMOS sensor
- Plug & Play
- Compact
- Compatible with fluorescence imaging
- Single shot phase and intensity measurement
- Compatible with any illumination / objective
**SID4-sC8**

**sCMOS HIGH RESOLUTION CAMERA**

**ADVANTAGES**

1. Compatible with acquisition software: Metamorph, Micromanager, NIS-Elements...
2. Magnification from x2.5 to x150
3. Imaging at any wavelength

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Technology</td>
<td>sCMOS</td>
</tr>
<tr>
<td>Wavelength range</td>
<td>450-1000 nm</td>
</tr>
<tr>
<td>Aperture dimensions (mm²)</td>
<td>16.6 x 14.0 mm²</td>
</tr>
<tr>
<td>Phase spatial resolution</td>
<td>19.5 µm</td>
</tr>
<tr>
<td>Phase &amp; Intensity sampling</td>
<td>852 x 720</td>
</tr>
<tr>
<td>Resolution (Phase)</td>
<td>&lt;1 nm RMS</td>
</tr>
<tr>
<td>Acquisition rate</td>
<td>40 fps</td>
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<tr>
<td>Real-time processing frequency</td>
<td>Up to 15 Hz (full resolution)</td>
</tr>
<tr>
<td>Connection</td>
<td>USB 3.0</td>
</tr>
<tr>
<td>Dimensions</td>
<td>140 x 82 x 80 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>~ 1000 g</td>
</tr>
</tbody>
</table>

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