PROGRES® CFcool

Technical data

KEY FACTS
- CCD microscope camera
- 6.45 x 6.45 μm pixel size
- 2/3" sensor
- 14 bit
- Cooling
- Software included

SYSTEM REQUIREMENTS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal computer</td>
<td>Intel i7 (Quad-Core) processor or comparable / 8 GB RAM</td>
</tr>
<tr>
<td>Operating system</td>
<td>WIN 7 / 8 / 10</td>
</tr>
<tr>
<td>Data interface</td>
<td>FireWire 400 integrated</td>
</tr>
<tr>
<td>FireWire card</td>
<td>Texas Instruments chip set</td>
</tr>
<tr>
<td>Monitor resolution</td>
<td>1920 x 1080 or higher</td>
</tr>
<tr>
<td>Software (included in the package)</td>
<td>PROGRES GRYPHAX® (64 bit operating systems only)</td>
</tr>
</tbody>
</table>

IMAGE SENSOR

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>square / utilised sensor diagonal</td>
</tr>
<tr>
<td>Pixel dimensions</td>
<td>6.45 x 6.45 μm</td>
</tr>
<tr>
<td>Color or monochrome</td>
<td>Color</td>
</tr>
<tr>
<td>Transfer method / shutter mode</td>
<td>Progressive scan / Global shutter</td>
</tr>
<tr>
<td>Full sensor resolution</td>
<td>1360 x 1020 pixel</td>
</tr>
</tbody>
</table>

CAMERA

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera resolution in LIVE mode</td>
<td>HD 1280 x 720 pixel (15 fps)</td>
</tr>
<tr>
<td>Camera resolution in RECORD mode</td>
<td>HD 1280 x 720 pixel up to 1360 x 1020 pixel</td>
</tr>
<tr>
<td>Exposure time min. - max.</td>
<td>86 µs - 64 s</td>
</tr>
<tr>
<td>Gain</td>
<td>Max. 32</td>
</tr>
<tr>
<td>A/D conversion</td>
<td>14 bit (16384 grey values)</td>
</tr>
<tr>
<td>Absolute sensitivity threshold*</td>
<td>8 e-</td>
</tr>
<tr>
<td>Saturation capacity*</td>
<td>16000 e-</td>
</tr>
<tr>
<td>Dynamic range*</td>
<td>66 dB</td>
</tr>
</tbody>
</table>

*based on EMVA 1288 standard compliance guidelines
MEASURED RELATIVE SPECTRAL SENSITIVITY*:

PROGRES® COOL IS A PREMIUM SOLUTION FOR:

- Life science
- Forensics

*based on EMVA 1288 standard compliance guidelines / effective spectral sensitivity on request