The New Standard In **1080p HD Presentations**...

SPOT’s 1080p HD system takes you beyond fixed 1080p HD video presentations.

**Outstanding Image Quality...**

**1080p HD** 1920 x 1080

**30-60+ frames per second**

**Live Color** Correction
- With ICC Color Profiles
- Without ICC Color Profiles

**Benchmark Sensor**
- SONY Pregius™

**Easy Presentation Tools Show More and Save Time...**

Buying a fixed format 1080p HD Video system is like buying an analog phone in the era of Smart Phones, it doesn’t make sense. The SPOT 1080p HD imaging system provides convenient features to enhance your presentation in ways that fixed video system can not. *The SPOT 1080p HD imaging system provides ...***

**Live and Captured Images**
- Move fluidly between Live sample presentation and captured image presentation to show related gross imaging, reference support case images and more. Just right click and select.

**Put a Value On It!**
- Answer attendees questions on distance, area and size. A few clicks sets the calibration and provides the measurement tools.

**Dual Mode Camera**
- SPOT 1080 HD can quickly convert to a 5Mp format to provide you with that little extra FOV you need on some specimens.

**Use Your Resolution!!**
- What good is resolution if you can’t use it? Simply roll your mouse wheel to zoom in and pan on your image.

See the SPOT 1080 HD in action...

Contact Us:
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Toll Free USA Tel: +1-866-604-SPOT
Direct Tel: +1-586-731-6000
# SPOT Insight 5.0 MP / 1080p HD Camera System

## Sensor Specs

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>IN41C5IR</td>
</tr>
<tr>
<td><strong>Sensor Type</strong></td>
<td>Color Mosaic</td>
</tr>
<tr>
<td><strong>Captured Image Resolution</strong></td>
<td>5.1 Mp</td>
</tr>
<tr>
<td><strong>Live 1080p HD (2 Mp)</strong> w/ NVIDIA GPU**</td>
<td>60+ frames per second</td>
</tr>
<tr>
<td><strong>Live 1080p HD (2 Mp)</strong> w/o NVIDIA GPU**</td>
<td>30+ frames per second</td>
</tr>
<tr>
<td><strong>Live 5.0 Mp</strong> w/ NVIDIA GPU**</td>
<td>45+ frames per second</td>
</tr>
<tr>
<td><strong>Live 5.0 Mp</strong> w/o NVIDIA GPU**</td>
<td>23+ frames per second</td>
</tr>
<tr>
<td><strong>Live 1.3 Mp w/o NVIDIA GPU</strong></td>
<td>60+ frames per second</td>
</tr>
</tbody>
</table>

### Color Mosaic + IR Filter QE

![Color Mosaic + IR Filter QE](chart)

**Regulatory**
- CE, FCC Class A, RoHS

### Camera Specs

<table>
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<tr>
<th>Feature</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Lens Mount</strong></td>
<td>C-mount</td>
</tr>
<tr>
<td><strong>Computer Interface</strong></td>
<td>USB 3.0</td>
</tr>
<tr>
<td><strong>Full Well</strong></td>
<td>10,300 e</td>
</tr>
<tr>
<td><strong>Read Noise</strong></td>
<td>2.4 e</td>
</tr>
<tr>
<td><strong>Dynamic Range</strong></td>
<td>73 dB</td>
</tr>
<tr>
<td><strong>A-D Bit Depth</strong></td>
<td>12-bit</td>
</tr>
<tr>
<td><strong>Analog Gain</strong></td>
<td>1, 2, 4, 8, 16, 32, 64, 128, 251</td>
</tr>
<tr>
<td><strong>Exposure Time Range</strong></td>
<td>10µs to 3.9 sec</td>
</tr>
<tr>
<td><strong>ROI</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Exposure While Downloading</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Trigger I/O (OEM models only)

- **Trigger In**
- **Synch1 Out**
- **I/O/TX, I/O/RX**

*(Optically isolated, requires external power supply)*

**Power Required** 5V supplied via USB3 Interface

**ON-OFF Switch** No

**Tripod Mount** Optional

**USB Connector** USB 3.0 Micro-B

**SPOT Software Application** Windows Mac Linux

**SDK Support**
- Windows
- Mac
- Linux

## Dimensions

![Dimensions](dimensions)

### The suggested applications for this camera include:

- Brightfield
- Histology, Pathology, Cytology
- Darkfield
- Semiconductor Inspection
- Bright Light Fluorescence
- Metrology
- Live Cell Imaging
- Whole Slide Imaging

**Video cards that use NVIDIA GPU: GTX1050 or greater or laptops with built in NVIDIA MX150 or greater.**