mvBlueFOX

Technical Details

Sensors

<table>
<thead>
<tr>
<th>mvBlueFOX</th>
<th>Resolution (H x V pixels)</th>
<th>Sensor size (optical)</th>
<th>Pixel size (µm)</th>
<th>Frame rate</th>
<th>Sensor technology</th>
<th>Readout type</th>
<th>ADC resolution / output in bits</th>
<th>Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>-220</td>
<td>640 x 480</td>
<td>1/4&quot;</td>
<td>5.6 x 5.6</td>
<td>60</td>
<td>CCD</td>
<td>Global</td>
<td>12 → 10</td>
<td>Sony ICX098</td>
</tr>
<tr>
<td>-220a</td>
<td>640 x 480</td>
<td>1/3&quot;</td>
<td>7.4 x 7.4</td>
<td>100</td>
<td>CCD</td>
<td>Global</td>
<td>12 → 10</td>
<td>Sony ICX424</td>
</tr>
<tr>
<td>-200w</td>
<td>752 x 480</td>
<td>1/3&quot;</td>
<td>6 x 6</td>
<td>93</td>
<td>CMOS</td>
<td>Global</td>
<td>10 → 10 / 8</td>
<td>Aptina MT9V</td>
</tr>
<tr>
<td>-221</td>
<td>1024 x 768</td>
<td>1/3&quot;</td>
<td>4.65 x 4.65</td>
<td>39</td>
<td>CCD</td>
<td>Global</td>
<td>12 → 10</td>
<td>Sony ICX204</td>
</tr>
<tr>
<td>-202a</td>
<td>1280 x 1024</td>
<td>1/2&quot;</td>
<td>5.2 x 5.2</td>
<td>25</td>
<td>CMOS</td>
<td>Rolling</td>
<td>10 → 10 / 8</td>
<td>Aptina M19M</td>
</tr>
<tr>
<td>-223</td>
<td>1360 x 1024</td>
<td>1/2&quot;</td>
<td>4.65 x 4.65</td>
<td>20</td>
<td>CCD</td>
<td>Global</td>
<td>12 → 10</td>
<td>Sony ICX267</td>
</tr>
<tr>
<td>-224</td>
<td>1600 x 1200</td>
<td>1/1.8&quot;</td>
<td>4.4 x 4.4</td>
<td>16</td>
<td>CCD</td>
<td>Global</td>
<td>12 → 10</td>
<td>Sony ICX274</td>
</tr>
<tr>
<td>-205</td>
<td>2592 x 1944</td>
<td>1/2.5&quot;</td>
<td>2.2 x 2.2</td>
<td>5.8</td>
<td>CMOS</td>
<td>Global Reset</td>
<td>10 → 10 / 8</td>
<td>Aptina MT9P</td>
</tr>
</tbody>
</table>

Sample: mvBlueFOX-200wG means standard version with 752 x 480 CMOS gray scale sensor.

Hardware Features

<table>
<thead>
<tr>
<th>Gray scale / Color</th>
<th>Gray scale (G) / Color (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interface</td>
<td>USB 2.0 (up to 480 Mbit/s) / USB 1.1 compatible</td>
</tr>
<tr>
<td>Image formats</td>
<td>Mono8, Mono10, BayerGR8, BayerGR10</td>
</tr>
<tr>
<td>Triggers</td>
<td>External, software based or free run</td>
</tr>
<tr>
<td>Size w/o lens (W x H x L)</td>
<td>Weight w/o lens</td>
</tr>
<tr>
<td>Permissible ambient temperature</td>
<td></td>
</tr>
<tr>
<td>Lens mounts</td>
<td>Back focus adjustable C/CS-mount lens holder / C-mount, CS-mount or optional S-mount</td>
</tr>
<tr>
<td>Power supply</td>
<td>mvBlueFOX: 2 opto-isolated inputs / 2 opto-isolated outputs</td>
</tr>
<tr>
<td>Min. V</td>
<td>4.75</td>
</tr>
<tr>
<td>Typ. V</td>
<td>5.25</td>
</tr>
<tr>
<td>Max. V</td>
<td>5.25</td>
</tr>
<tr>
<td>Min. mA</td>
<td>280</td>
</tr>
<tr>
<td>Typ. mA</td>
<td>500</td>
</tr>
<tr>
<td>Max. mA</td>
<td>500</td>
</tr>
</tbody>
</table>

Conformity

CE, FCC, RoHS

Driver

mvIMPACT Acquire SDK

Operating systems

Windows®, Linux® - 32 bit and 64 bit

Special features

Micro-PLC, automatic gain / exposure control, binning, screw lock connectors

Dimensions Standard Version (in mm)

<table>
<thead>
<tr>
<th>front view</th>
<th>side view</th>
<th>back view</th>
</tr>
</thead>
<tbody>
<tr>
<td>38.8</td>
<td>4 x 2.5, 4 deep</td>
<td>13</td>
</tr>
<tr>
<td>30.6</td>
<td>5.5</td>
<td>25</td>
</tr>
<tr>
<td>5.2</td>
<td>58.5 (53.1)</td>
<td>11</td>
</tr>
</tbody>
</table>

Subject to change without notice, Date 06/2019