**Sensors**

<table>
<thead>
<tr>
<th>mvBlueCOUGAR-XD</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>-1031</td>
<td>G/C</td>
<td>6480 x 4856</td>
<td>1.1&quot;</td>
<td>3.45 x 3.45</td>
<td>CMOS</td>
<td>Global</td>
<td>12 → 16/12/8</td>
<td>Sony IMX342</td>
</tr>
</tbody>
</table>

*into memory / streaming*

**Hardware Features**

- **Protocol**
  - Compliant to GigE Vision
- **Interface**
  - Dual Gigabit Ethernet (2x 1000 Mbit/s with 100 Mbit/s compatibility) or Single Gigabit Ethernet
- **Image formats**
  - Mono8, Mono12, Mono14, Mono16, Mono12Packed
  - BayerGR8, BayerGR10, BayerGR12, BayerGR16, BayerGR12Packed (GR, RG, GB, BG depends on camera type)
  - RGB8Packed, BGR8Packed, BGRA8Packed, BGR10V2Packed, YUV422Packed, YUV422_YUYVPacked, YUV444Packed
- **Triggers**
  - External, software based or free run
- **Size of body (W x H x L) | Weight w/o lens**
  - 49.8 x 49.8 x 55.3 mm | approx. 215 g
- **Permissible ambient temperature**
  - Operation: 0...45 °C / 30 to 80 % RH
  - Storage: -20...60 °C / 20 to 90 % RH
- **Lens mounts**
  - M42-mount lens holder
- **Digital I/Os**
  - 4 opto-isolated inputs / 4 high-side outputs
- **Image memory**
  - 256 MB
- **Conformity**
  - CE, FCC, RoHS
- **Driver**
  - mvIMPACT Acquire SDK or any GigE Vision compliant interface
- **Operating systems**
  - Windows® - 32 bit and 64 bit
- **Special features**
  - Enhanced color and I/O functionality, automatic gain / exposure control, binning, burst mode, video iris, lens control, pre-trigger recording, internal temperature sensors, screw lock connectors

**Dimensions (in mm)**

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Subject to change without notice, Date 12/2019