**mvBlueGEMINI**

**Technical Details**

### Sensors

<table>
<thead>
<tr>
<th>Camera Model</th>
<th>Resolution (H x V pixels)</th>
<th>Sensor size (optical)</th>
<th>Pixel size (µm)</th>
<th>Sensor technology</th>
<th>Readout type</th>
<th>ADC resolution / output in bits</th>
<th>Sensor technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>mvBlueGEMINI 1013</td>
<td>1280 x 1024</td>
<td>1/1.8”</td>
<td>5.3 x 5.3</td>
<td>CMOS</td>
<td>Global</td>
<td>10/8</td>
<td>e2v EV76C560</td>
</tr>
</tbody>
</table>

### Hardware Features

- **CPU**: FPGA/SoC with Dual-Core Cortex-A9, each with 800 MHz
- **Memory**: 1 GB DDR3 SDRAM
- **Flash**: 4 GB NAND
- **EEPROM**: Yes, with temperature sensor
- **Interfaces**: 1 GBit Ethernet LAN, Up to 6 bidirectional I/Os, Trigger
- **Perm. ambient temperature**: 0 to 55 °C / 30 to 80 %RH
- **Size (w x h x l) without lens**: 65 x 40 x 99.5 mm
- **Weight without lens**: Approx. 275 g
- **Power consumption**: Less than 5 W
- **Conformity**: IP 67

### Software Features

- **mvIMPACT Configuration Studio, or mvIMPACT-CS for short**
  - Web-based, multi-platform, multi-client, no installation required
  - Easy to adapt GUI, internationalization possible
  - mvIMPACT-CS can be extended by own tools
  - Easy to use and understand tools including wizards
    - High-level tools (Find object, Check object, Count objects, …)
    - Automatic tool selection and parameterization
    - Hardware is optimized for the software

### Models

- **mvBlueGEMINI**
  - Std.
  - Extended
  - Ident
  - Inspect
- **Get image**
- **Interfaces** (Get inputs, Receive data, Set outputs, Send results)
- **Process reliance** (Check brightness/focus, Find object)
- **Read code / Read text**
- **Check / Measure object**
- **HALCON Script**

### Options

- **Hygienic stainless steel** option for all available models.
- **Perm. ambient temperature** (standard mounting w/o heat dissipation)
  - 0 to 35 °C / 30 to 80 %RH
- **Weight incl. tube**
  - Approx. 745 g

### Dimensions (in mm)

- **Front view**
- **Side view**
- **Back view**
- **Bottom view**