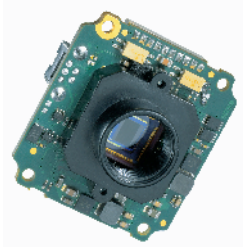
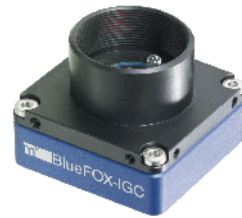


mvBlueFOX-IGC / -MLC

Technical Details



Sensors

| mvBlueFOX-IGC mvBlueFOX-MLC | Resolution (H x V pixels) | Sensor size (optical) | Pixel size (µm) | Frame rate | Sensor technology | Readout type | ADC resolution / output in bits | Sensor | |
|--------------------------------|------------------------------|--------------------------|--------------------|-------------|-------------------|--------------|------------------------------------|-------------|-------------|
| -200w ^{1,2} | G/C | 752 x 480 | 1/3" | 6 x 6 | 93 | CMOS | Global | 10 → 10 / 8 | Aptina MT9V |
| -202a ¹ | G | 1280 x 1024 | 1/2" | 5.2 x 5.2 | 25 | CMOS | Rolling | 10 → 10 / 8 | Aptina MT9M |
| -202b | G/C | 1280 x 960 | 1/3" | 3.75 x 3.75 | 24.6 | CMOS | Global | 10 → 10 / 8 | Aptina MT9M |
| -202d ¹ | G/C | 1280 x 960 | 1/3" | 3.75 x 3.75 | 24.6 | CMOS | Rolling | 10 → 10 / 8 | Aptina MT9M |
| -205 ² | G/C | 2592 x 1944 | 1/2.5" | 2.2 x 2.2 | 5.8 | CMOS | Global Reset | 10 → 10 / 8 | Aptina MT9P |

¹High Dynamic Range (HDR) mode supported

²Software trigger supported

Sample: **mvBlueFOX-IGC200wG** means version with housing and 752 x 480 CMOS gray scale sensor.

mvBlueFOX-MLC200wG means single-board version without housing and with 752 x 480 CMOS gray scale sensor.

Hardware Features

| | | | | | |
|---|--|---|------|------|----|
| Gray scale / Color | Gray scale (G) / Color (C) | | | | |
| Interface | USB 2.0 (up to 480 Mbit/s) | | | | |
| Image formats | Mono8, Mono10, BayerGR8, BayerGR10 | | | | |
| Triggers | External hardware based (optional), software based (depending on the sensor) or free run | | | | |
| Size w/o lens (W x H x L) Weight w/o lens | mvBlueFOX-IGC: | 39.8 x 39.8 x 16.5 mm approx. 80 g | | | |
| | mvBlueFOX-MLC: | 35 x 33 x 25 mm (without lens mount) approx. 10 g | | | |
| Permissible ambient temperature | Operation: | 0 .. 45 °C / 30 to 80 % RH | | | |
| | Storage: | -20 .. 60 °C / 20 to 90 % RH | | | |
| Lens mounts | Back focus adjustable C/CS-mount lens holder / C-mount, CS-mount or optional S-mount | | | | |
| Digital I/Os | mvBlueFOX-IGC (optional) mvBlueFOX-MLC | 1 / 1 opto-isolated 1 / 1 opto-isolated or 2 / 2 TTL compliant | | | |
| Power supply | U _{USBPOWER_IN} | Min. | Typ. | Max. | V |
| | I _{USBPOWER_IN} (@ 5V / 40 MHz) | 4.75 | 5 | 5.25 | mA |
| | I _{USBPOWER_IN} (Power off mode) | | 280 | 500 | mA |
| | | | 66 | | mA |
| 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 -IGC Version (in mm)

| front view | side view | back view |
|------------|------------|-----------|
| | | |
| | CS-Mount | |
| | * optional | |

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Subject to change without notice, Date 02/2016