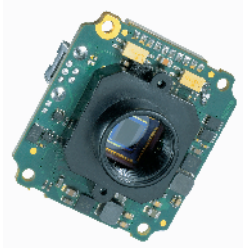
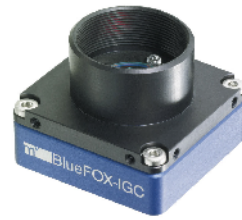


# mvBlueFOX-IGC / -MLC

## 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 <sup>1,2</sup>	G/C	752 x 480	1/3"	6 x 6	90	CMOS	Global	10 → 10 / 8	Aptina MT9V
-202a <sup>1</sup>	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 <sup>1</sup>	G/C	1280 x 960	1/3"	3.75 x 3.75	24.6	CMOS	Rolling	10 → 10 / 8	Aptina MT9M
-205 <sup>2</sup>	G/C	2592 x 1944	1/2.5"	2.2 x 2.2	5.8	CMOS	Global Reset	10 → 10 / 8	Aptina MT9P

<sup>1</sup>High Dynamic Range (HDR) mode supported

<sup>2</sup>Software 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 <sub>USBPOWER_IN</sub>	Min.	Typ.	Max.	V
	I <sub>USBPOWER_IN</sub> (@ 5V / 40 MHz)	4.75	5	5.25	mA
	I <sub>USBPOWER_IN</sub> (Power off mode)		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
	<p>CS-Mount * optional</p>	

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