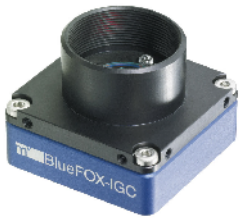
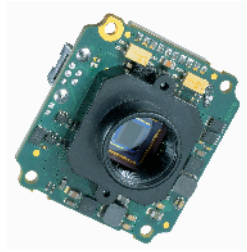
mvBlueFOX-IGC / -MLC

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

[1] High Dynamic Range (HDR) mode supported
[2] Software trigger supported

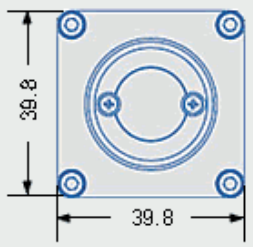
Sample: **mvBlueFOX-IGC200wG** means version with housing and 752 x 480 CMOS gray scale sensor.
mvBlueFOX-MLC200wG means single-board version without housing and with 752 x 480 CMOS gray scale sensor.

Hardware Features

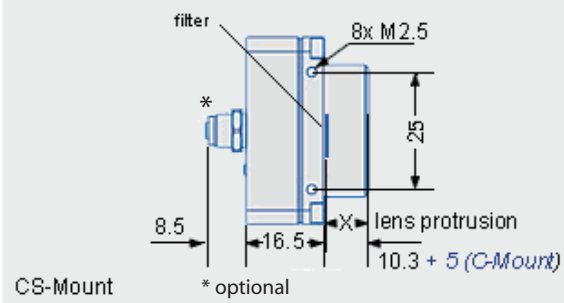
Gray scale / Color	Gray scale (G) / Color (C)				
Interface	USB 2.0 (up to 480 Mbit/s)				
Image formats	Mono8, Mono10, BayerGR8, BayerGR10				
Triggers	External hardware based (optional), software based (depending on the sensor) or free run				
Size w/o lens (W x H x L) | Weight w/o lens	mvBlueFOX-IGC: 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): 1 / 1 opto-isolated mvBlueFOX-MLC: 1 / 1 opto-isolated or 2 / 2 TTL compliant				
Power supply		Min.	Typ.	Max.	
	$U_{USBPOWER\_IN}$	4.75	5	5.25	V
	$I_{USBPOWER\_IN}$ (@ 5V / 40 MHz)		280	500	mA
	$I_{USBPOWER\_IN}$ (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)

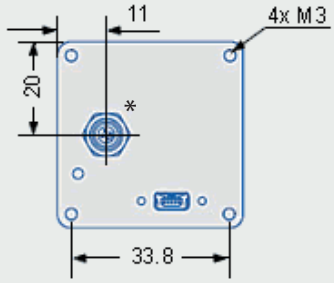
front view



side view



back view



MATRIX VISION GmbH
Talstrasse 16
71570 Oppenweiler
Phone: +49-7191-9432-0
Fax: +49-7191-9432-288
info@matrix-vision.de