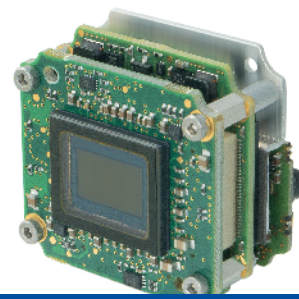


mvBlueFOX3-M2

Technical Details

Sensors **Pregius** **STARVIS** **Polarsens**



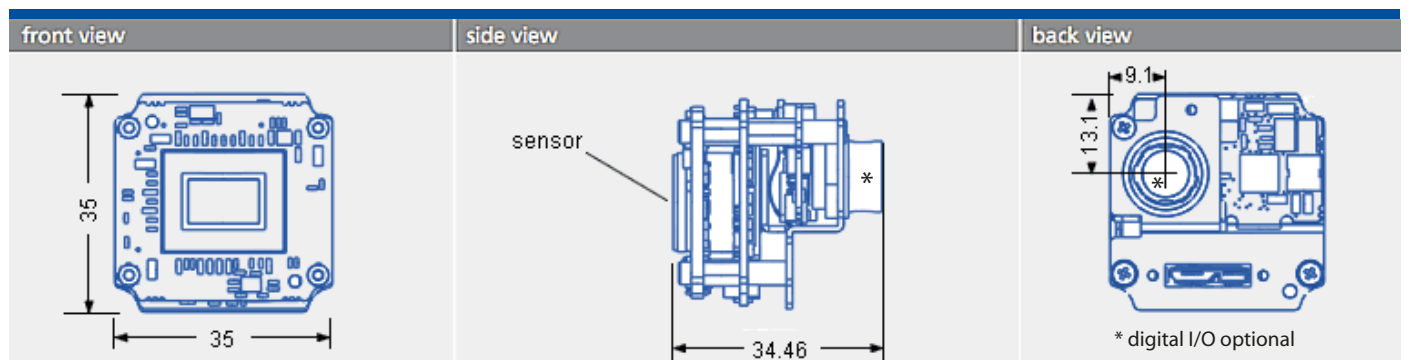
mvBlueFOX3-M	Resolution (H x V pixels)	Sensor size (optical)	Pixel size (µm)	Frame rate ¹	Sensor technology	Readout type	ADC resolution / output in bits	Sensor
-2004	G/C 728 x 544	1/2.9"	6.9 x 6.9	436.9	CMOS	Global	12 / 12	Sony IMX287
-2016	G/C 1456 x 1088	1/2.9"	3.45 x 3.45	226.5	CMOS	Global	12 / 12	Sony IMX273
-2024	G/C 1936 x 1216	1/1.2"	5.86 x 5.86	161.4	CMOS	Global	12 / 12	Sony IMX174
-2024a	G/C 1936 x 1216	1/1.2"	5.86 x 5.86	46.9	CMOS	Global	12 / 12	Sony IMX249
-2032	G/C 2064 x 1544	1/1.8"	3.45 x 3.45	119.2	CMOS	Global	12 / 12	Sony IMX252
-2032a	G/C 2064 x 1544	1/1.8"	3.45 x 3.45	55	CMOS	Global	12 / 12	Sony IMX265
-2051	G/C 2464 x 2056	2/3"	3.45 x 3.45	75	CMOS	Global	12 / 12	Sony IMX250
-2051p	G/C 2464 x 2056	2/3"	3.45 x 3.45	75	CMOS	Global	12 / 12	Sony IMX250_POL
-2051a	G/C 2464 x 2056	2/3"	3.45 x 3.45	35	CMOS	Global	12 / 12	Sony IMX264
-2064	G/C 3096 x 2080	1/1.8"	2.4 x 2.4	59	CMOS	Rolling	12 / 12	Sony IMX178
-2071a	G/C 3216 x 2208	1.1"	4.5 x 4.5	50.9	CMOS	Global	12 / 12	Sony IMX428
-2089	G/C 4112 x 2176	1"	3.45 x 3.45	42.4	CMOS	Global	12 / 12	Sony IMX255
-2089a	G/C 4112 x 2176	1"	3.45 x 3.45	31.9	CMOS	Global	12 / 12	Sony IMX267
-2124	G/C 4112 x 3008	1.1"	3.45 x 3.45	30.7	CMOS	Global	12 / 12	Sony IMX253
-2124a	G/C 4112 x 3008	1.1"	3.45 x 3.45	23	CMOS	Global	12 / 12	Sony IMX304
-2124r	G/C 4024 x 3036	1/1.8"	1.85 x 1.85	31.1	CMOS	Rolling	12 / 12	Sony IMX226
-2205	G/C 5544 x 3692	1"	2.4 x 2.4	18.5	CMOS	Rolling	12 / 12	Sony IMX183

¹ Streaming frame rate (burst mode frame rates see website)

Hardware Features

Protocol	Compliant to USB3 Vision		
Interface	USB 2.0 / 3.0 (up to 480 Mbit/s / up to 5 Gbit/s)		
Image formats	Mono8/10/12/14/16 BayerGR8/10/12/16, RGB8Packed, BGR8Packed, BGRA8Packed, BGR10V2Packed, YUV422/444Packed, YUV422_YUYVPacked onboard color processing		
Triggers	External, software based or free run		
Size sensor board w/o lens (W x H)	34.5 x 34.5 mm		
Permissible ambient temperature	Operation:	0 .. 40 °C / 30 to 80 % RH	
	Storage:	-20 .. 60 °C / 20 to 90 % RH	
Lens mounts	As an option: C-mount		
Digital I/Os	2 opto-isolated inputs / 4 opto-isolated outputs (freely configurable) as an option		
Image memory	256 MBytes		
Flash (firmware, calibration, user data)	16 MBytes		
Conformity	CE, FCC, RoHS		
Driver	mvIMPACT Acquire SDK or any USB3 Vision compliant interface or vision library		
Operating systems	Windows®, Linux® - 32 bit and 64 bit		
Special features	Burst mode, onboard color processing, Micro-PLC, board-level variant, enhanced temperature (ET) option available, separate I/O board available		

Dimensions (in mm)



MATRIX VISION MATRIX VISION GmbH

Talstrasse 16
71570 Oppenweiler
Phone: +49-71 91-94 32-0
Fax: +49-71 91-94 32-288
info@matrix-vision.de

Recognize Analyze Decide

www.matrix-vision.de

Subject to change without notice, Date 03/2019