

mvBlueFOX3-2

Technical Details



Sensors Pregius

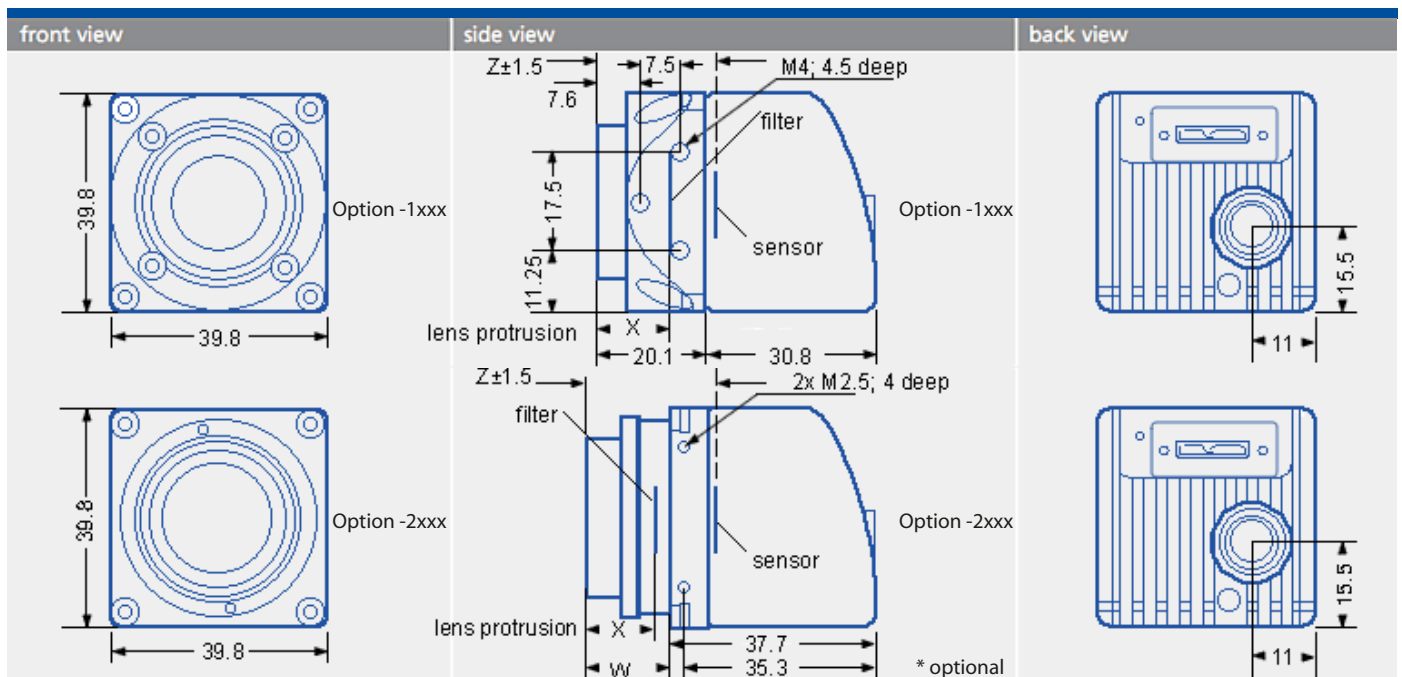
mvBlueFOX3	Resolution (H x V pixels)	Sensor size (optical)	Pixel size (µm)	Frame rate	Sensor technology	Readout type	ADC resolution / output in bits	Sensor	
-2024	G/C	1936 x 1216	1/1.2"	5.86 x 5.86	162	CMOS	Global	10 / 12	Sony IMX174
-2024a	G/C	1936 x 1216	1/1.2"	5.86 x 5.86	41	CMOS	Global	10 / 12	Sony IMX249
-2032 ¹	G/C	2048 x 1536	1/1.8"	3.45 x 3.45	100	CMOS	Global	10 / 12	Sony IMX252
-2051 ¹	G/C	2448 x 2048	2/3"	3.45 x 3.45	60	CMOS	Global	10 / 12	Sony IMX250

¹Sample Q4/2015, Series Q1/2016

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 w/o lens (W x H x L) Weight w/o lens	39.8 x 39.8 x 37.7 mm approx. 94 g		
Permissible ambient temperature	Operation:	0 .. 45 °C / 30 to 80 % RH	
	Storage:	-20 .. 60 °C / 20 to 90 % RH	
Lens mounts	C-mount (CS-mount as an option for option -2xxx)		
Digital I/Os	2 opto-isolated inputs / 4 opto-isolated outputs (freely configurable) as an option		
Image memory Flash (firmware, calibration, user data)	256 MBytes 16 MBytes		
Conformity	CE, FCC, RoHS		
Driver	mvIMPACT Acquire SDK or any USB3 Vision compliant interface or vision library for Windows®, Linux® (32 bit & 64 bit)		
Special features	Burst mode, onboard color processing, Micro-PLC, single-board variant, frame average, robust housing with tripod mounting holes		

Dimensions (in mm)



Option -1xxx: X = 10.7 mm with 1" lenses

Z = 17.526 mm (C-mount) | 12.5 mm (CS-mount)

Option -2xxx: X = 8 mm (C-mount) | 6 mm (CS-mount)

W = 15 mm (C-mount) | 10 mm (CS-mount)

Z = 17.526 mm (C-mount) | 12.5 mm (CS-mount)



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