mvBlueLYNX-X

Technical Details
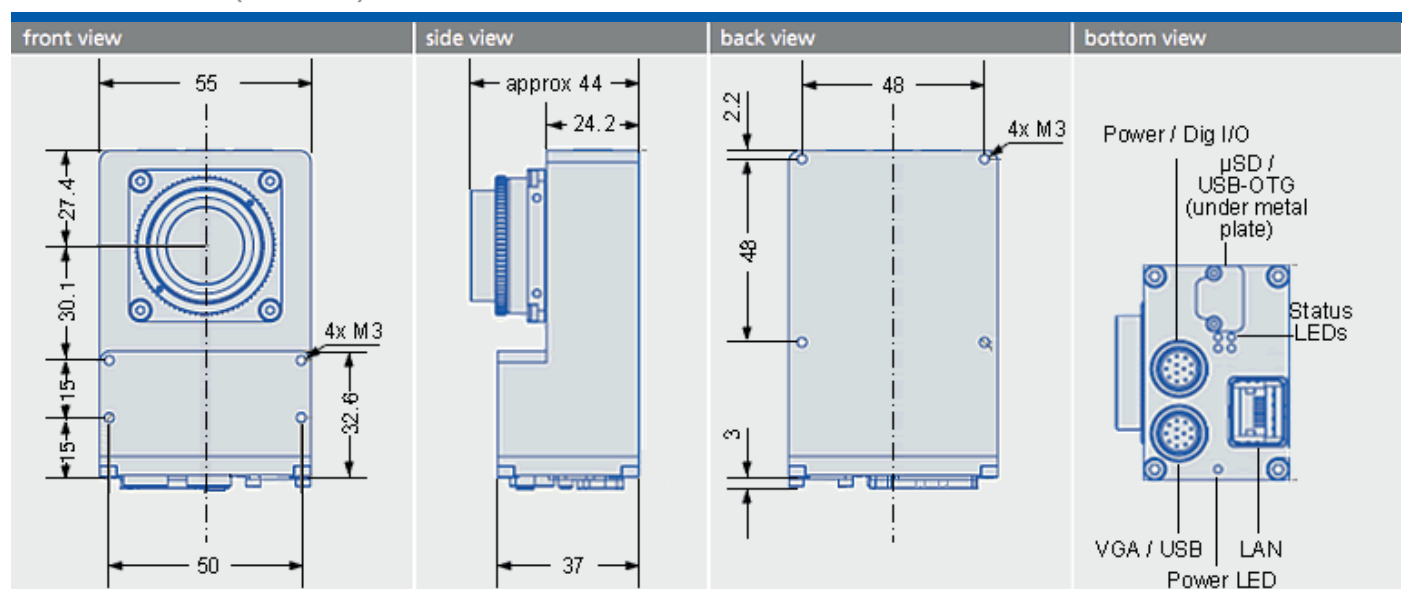
Sensors

mvBlueLYNX-X		Resolution (H x V pixels)	Sensor size (optical)	Pixel size (μm)	Frame rate	Sensor technology	Readout type	ADC resolution (in memory) in bits	Sensor
-120a	G/C	640 x 480	1/3"	7.4 x 7.4	104	CCD	Global	14 (≤ 12)	Sony ICX424
-120b	G/C	640 x 480	1/3"	7.4 x 7.4	104	CCD	Global	14 (≤ 12)	Sony ICX424
-120d	G/C	750 x 580	1/2"	8.3 x 8.3	87	CCD	Global	14 (≤ 12)	Sony ICX415
-100w*	G/C	752 x 480	1/3"	6 x 6	117	CMOS	Global	10 → 12/10/8	Aptina MT9V
-122	G/C	1280 x 960	1/3"	3.75 x 3.75	31	CCD	Global	14 (≤ 12)	Sony ICX445
-102b	G/C	1280 x 960	1/3"	3.75 x 3.75	40.6	CMOS	Global	10 → 12/10/8	Aptina MT9M
-102e	G/C	1280 x 1024	1/1.8"	5.3 x 5.3	60	CMOS	Global	10 → 10/8	E2V EV76C560
-123	G/C	1360 x 1024	1/2"	4.65 x 4.65	30	CCD	Global	14 (≤ 12)	Sony ICX267
-124	G/C	1600 x 1200	1/1.8"	4.4 x 4.4	28	CCD	Global	14 (≤ 12)	Sony ICX274
-125a	G/C	2448 x 2050	2/3"	3.45 x 3.45	10	CCD	Global	14 (≤ 12)	Sony ICX655
-105	G/C	2592 x 1944	1/2.5"	2.2 x 2.2	14.4	CMOS	Global Reset	10 → 12/10/8	Aptina MT9P

* High Dynamic Range (HDR) mode supported

Hardware Features

Gray scale / Color	Gray scale (G) / Color (C)
Interface	Ethernet (100 Mbit/s), USB 2.0, USB 2.0 on-the-go, VGA, RS-232, microSD
Triggers	External hardware based, software based or free run
Size w/o lens (W x H x L) | Weight w/o lens	87.5 x 55 x 37 mm | approx. 195 g
Permissible ambient temperature	Operation: 0 .. 50 °C / 30 to 80 % RH Storage: -20 .. 60 °C / 20 to 90 % RH
Lens mounts	C-mount or optional CS-/S-mount; I2C support for wet lens, support for motorized zoom lens (option)
Digital I/Os	2 opto-isolated inputs / 4 high-side outputs
Conformity	CE, FCC, UL (on request), IP30 (IP65 option), RoHS
Driver	mvIMPACT Acquire SDK
Operating systems	Linux® (Ångström)
Hardware	ARM Cortex-A8 with 1GHz, DSP with 800 MHz, 512 MB DDR RAM
Supported image processing libraries	mvIMPACT SDK, EyeVision, Halcon Embedded

Dimensions (in mm)

front view / side view / back view / bottom view

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Recognize   Analyze   Decide