

mvBlueFOX-MLC2xxxx-(1)(2)(3)-(4)(5)(6)(7)

mvBlueFOX-MLC
 USB 2.0 board-level camera

xxxx Model
 See table below

(1) Mini USB
 U = With Mini USB (standard)
 X = Without Mini USB

(2) Digital I/Os
 O = 1x IN + 1x OUT opto-isolated (standard)
 T = 2x TTL IN + 2x TTL OUT
 L = 3x LVTTTL IN

(3) Connector
 W = Board-to-wire (standard)
 B = Board-to-board

(4) Lensholder
 1 = Without lensholder
 2 = C-mount with adjustable backfocus (CS-mount with add. 5 mm extension ring)
 3 = CS-mount with adjustable backfocus
 4 = C-mount without adjustable backfocus
 5 = CS-mount without adjustable backfocus
 6 = LENSHOLDER SH01F08V3 #09851
 7 = LENSHOLDER SH02M13V2 #09951
 8 = LENSHOLDER SH03H16V2 #09850

(5) Filter
 1 = Without filter (standard)
 2 = IR-Cut
 3 = Glass
 4 = Daylight cut

(6) Housing
 1 = Without housing (standard)

(7) Misc
 1 = Without Misc

Model name	Resolution	FPS*	Sensor	Pixel size
mvBlueFOX-MLC				
200wG/C	0.4 MP (752 x 480)	93/88.6	MT9V034 (1/3", Pipelined / GS, CMOS)	6.0 µm
202vG/C	1.2 MP (1280 x 960)	24.6/24.6	AR0135 (1/3", Pipelined / GS, CMOS)	3.75 µm
205G/C	5 MP (2592 x 1944)	5.8/5.8	MT9P031 (1/2.5", RS, CMOS)	2.2 µm

G/C = Monochrome and color models available
 FPS = Frames per Second
 GS = Global Shutter
 RS = Rolling Shutter
 * = Burst Mode/Streaming

MATRIX VISION Industrial Cameras
mvBlueFOX-MLC Series - Board-level



Basic features

Approval/Conformity	CE UKCA WEEE
Version	Industrial camera

Electrical connection

Connection 1	USB2: USB 2.0 Mini-B-Female, 5-pin
Connection 2	Power/ IO: Molex connector-Female, 12-pin
Polarity reversal protected	yes
Short-circuit protection	no

Electrical data

Operating voltage Ub	4.75...5.25 VDC
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Environmental conditions

Ambient temperature	5...55 °C
EN 60068-2-27, Shock	-
EN 60068-2-6, Vibration	-
Relative humidity	20...80%
Storage temperature	-20...60 °C

Remarks

Not included in scope of delivery: Camera lens, filter, light, connection cable, power supply

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Functional Characteristics

Data storage	8 Mpixels
Decimation	Horizontal and vertical
Exposure time	10 µs...10 s *
Image formats	Bayer8 Bayer10 Mono8 Mono10
Trigger Modi	Free run Hardware trigger Software trigger

Interface

Auxiliary interfaces	I ² C
Digital inputs	PNP galvanically isolated
Digital outputs	PNP galvanically isolated
Interface	USB 2.0

Material

Housing material	-, -
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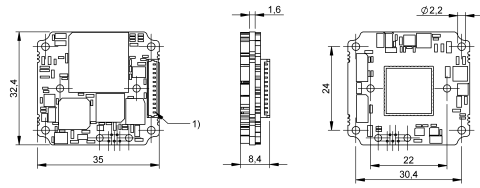
Mechanical data

Dimension	35 x 33 x 25 mm
Lens mount	None
Weight	10 g

MATRIX VISION Industrial Cameras
mvBlueFOX-MLC Series - Board-level

Product View

mvBlueFOX-MLCxxx-XOW-1111



1) PIN 1 Indicator