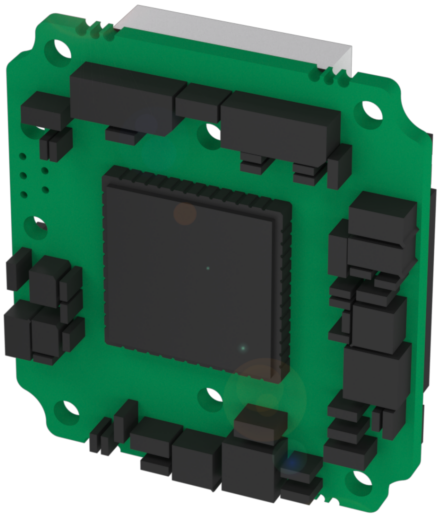
MATRIX VISION Industrial Cameras

mvBlueFOX-MLC Series - Board-level



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 LVTTL 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

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

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	I²C
Digital inputs	PNP galvanically isolated
Digital outputs	PNP galvanically isolated
Interface	USB 2.0

Material

Housing material	-, -

Mechanical data

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

Remarks

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

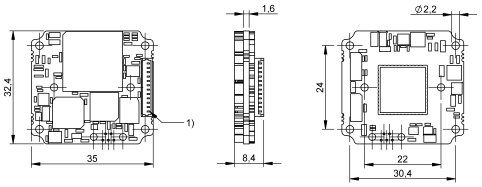
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

mvBlueFOX-MLC Series - Board-level

Product View

mvBlueFOX-MLCxxxx-XOW-1111



1) PIN 1 Indicator