

**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**

<b>Approval/Conformity</b>	CE UKCA WEEE
<b>Version</b>	Industrial camera

**Electrical connection**

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

**Electrical data**

<b>Operating voltage Ub</b>	4.75...5.25 VDC
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**Environmental conditions**

<b>Ambient temperature</b>	5...55 °C
<b>EN 60068-2-27, Shock</b>	-
<b>EN 60068-2-6, Vibration</b>	-
<b>Relative humidity</b>	20...80%
<b>Storage temperature</b>	-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**

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

**Interface**

<b>Auxiliary interfaces</b>	I <sup>2</sup> C
<b>Digital inputs</b>	PNP galvanically isolated
<b>Digital outputs</b>	PNP galvanically isolated
<b>Interface</b>	USB 2.0

**Material**

<b>Housing material</b>	-, -
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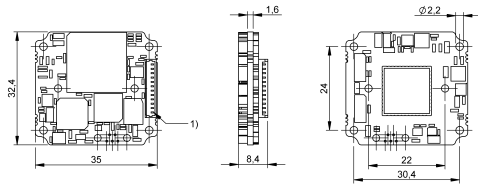
**Mechanical data**

<b>Dimension</b>	35 x 33 x 25 mm
<b>Lens mount</b>	None
<b>Weight</b>	10 g

**MATRIX VISION Industrial Cameras**  
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**Product View**

mvBlueFOX-MLCxxx-XOW-1111



1) PIN 1 Indicator