Baumer
Passion for Sensors

MX series

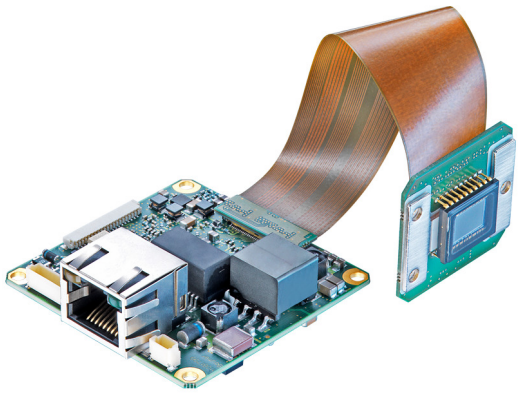
MXGC20c

Gigabit Ethernet, 2 Megapixel, Color

Article number: 11094943

overview

- 2040 × 1084 px
- ams (CMOSIS) CMV2000
- 2/3″ CMOS
- 55 fps
- Gigabit Ethernet
- Phase-Out starting 08/20, alternative via sales



technical data

sensor information	
sensor	ams (CMOSIS) CMV2000
resolution	2040 × 1084 px
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	2/3″ CMOS
acquisition formats	
image formats, interface frame rate max.	Full Frame, 2040 × 1084 px, max. 55 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed
image preprocessing	
analog controls	Gain (0 …18 dB) Offset (0 … 255 LSB 12 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation
camera features	
synchronization	free running trigger

camera features	
trigger sources	Hardware software ActionCommand
trigger delay	0 … 2 sec, tracking and buffering of up to 512 trigger signals
sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor output line ROI Offset x ROI Offset y
digital inputs	1 input line
digital outputs	3 output lines
internal image buffer	120 MB
interfaces and connectors	
data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer rate 100 Mbits/sec, Connector: 8P8C Modular Jack (RJ45)
process interface	JSTBM08B-SRSS-TB 8 pins
power supply	JSTBM03B-SRSS-TB 3 pins
mechanical data	
lens mount	C-mount / S-mount (adapter)
width	28,5 mm (sensor print) 48 mm (system print)
height	28,5 mm (sensor print) 48 mm (system print)

2020-08-10 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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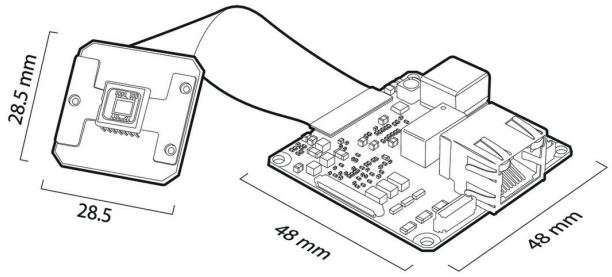
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technical data

mechanical data	
weight	≤ 30 g
material	without housing
electrical data	
voltage supply range +Vs	12 … 24 V DC (external power supply) 36 … 57 V DC (Power over Ethernet)
power consumption	approx. 3,5 W @ 12 VDC and 55,0 fps approx. 3,8 W @ 48 VDC (PoE) and 55,0 fps
non-volatile memory	
flash memory size	128 kB

environmental conditions	
operating temperature	Depends on the thermal encapsulation (T_{max} = 70 °C @ Measurement Point)
humidity	10 … 90 % (non-condensing)
digital I/Os	
lines	1 input line 3 output lines
conformity	
conformity	CE RoHS EAC

dimension drawing



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