Baumer
Passion for Sensors

MX series

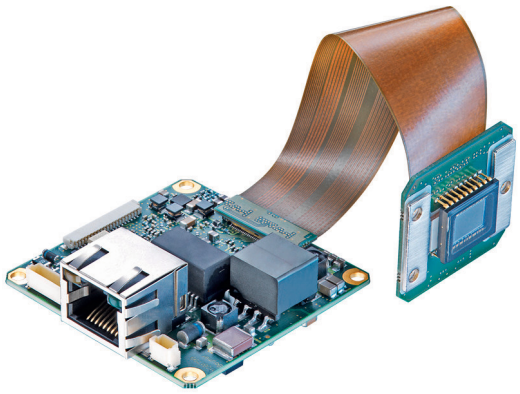
MXG12

Gigabit Ethernet, 1,2 Megapixel, Monochrome

Article number: 11094928

overview

- 1288 × 960 px
- Sony ICX445
- 1/3″ CCD
- 42 fps
- Gigabit Ethernet
- Phase-Out starting 09/19, alternative via sales



technical data

sensor information	
sensor	Sony ICX445
resolution	1288 × 960 px
pixel size	3.75 × 3.75 µm
shutter type	Global shutter
sensor type	1/3″ CCD
acquisition formats	
image formats, interface frame rate max.	Full Frame, 1288 × 960 px, max. 42 fps
pixel formats	Mono8 Mono12 Mono12 Packed
image preprocessing	
analog controls	Gain (0 … 26 dB) Offset (0 … 1023 LSB 14 Bit)
color models	Mono
camera features	
synchronization	free running trigger
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

camera features	
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)
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)

2019-11-04 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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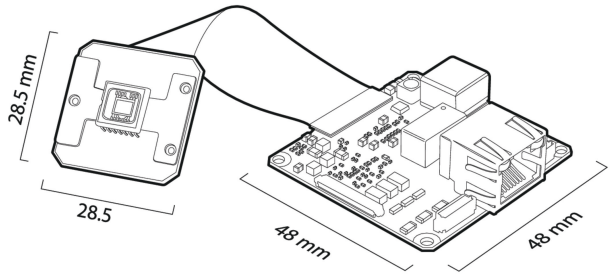
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technical data

electrical data	
power consumption	approx. 3,6 W @ 12 VDC and 42,0 fps approx. 3,8 W @ 48 VDC (PoE) and 42,0 fps
non-volatile memory	
flash memory size	128 kB
environmental conditions	
operating temperature	Depends on the thermal encapsulation (T_{max} = 70 °C @ Measurement Point)

environmental conditions	
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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