

overview

- 2592 × 1944 px
- ON Semiconductor MT9P031
- 1/2.5" CMOS
- 14 fps
- Gigabit Ethernet
- available



technical data

sensor information

sensor	ON Semiconductor MT9P031
resolution	2592 × 1944 px
exposure time	0,02 ... 1000 ms
pixel size	2.2 × 2.2 μm
shutter type	Rolling shutter Global reset shutter
sensor type	1/2.5" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 2592 × 1944 px, max. 14 fps Binning 2×2, 1296 × 972 px, max. 14 fps Binning 2×1, 1296 × 1944 px, max. 14 fps Binning 1×2, 2592 × 972 px, max. 14 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2592 × 1944 px, max. 14 fps
pixel formats	BayerRG8 BayerRG12 BayerRG12 Packed

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Raw Bayer

camera features

synchronization	free running trigger
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camera features

trigger sources	Hardware software
internal image buffer	15 MB 1 image (Trigger Mode) 1 image (Free Running Mode)

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s, Fast Ethernet, Transfer Rate 100 Mb/s, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 4 pins (SACC-DSI-M 8MS-4CON-L180)
power supply	M8 / 4 pins

mechanical data

lens mount	CS-mount
width	29 mm
height	29 mm
depth	49 mm
weight	≤ 120 g
material	zinc die casting, nickel-plated, IP 40

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply)
power consumption	approx. 2,0 W @ 12 VDC and 14 fps

non-volatile memory

flash memory size	128 kB
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VEXG-52C.R

Gigabit Ethernet, 5,0 Megapixel, Color

Article number: 11185977

technical data

environmental conditions

operating temperature	+5 ... +60 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

digital I/Os

lines	1 input line 1 output line
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conformity

conformity	CE
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dimension drawing

