

# VEXG-52C.R

Gigabit Ethernet, 5,0 Megapixel, Color

Article number: 11185977

## 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 Mbts/sec, Fast Ethernet, Transfer Rate 100 Mbts/sec, 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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### 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

