



#### sensor information

sensor	ON Semiconductor MT9P031
resolution	2592 × 1944 px
exposure time	0,002 ... 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	Full Frame, 2592 × 1944 px, max. 14 fps Binning 2×2, 1296 × 972 px, max. 14 fps
frame rate max.	Binning 2×1, 1296 × 1944 px, max. 14 fps Binning 1×2, 2592 × 972 px, max. 14 fps
image formats, acquisition	Full Frame, 2592 × 1944 px, max. 14 fps
frame rate max. (Burst Mode)	
pixel formats	BayerRG8 BayerRG12 BayerRG12 Packed

#### image preprocessing

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

#### 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

#### mechanical data

depth	49 mm
weight	≤ 120 g
material	zinc die casting, nickel-plated, IP 40

#### electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	
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 RoHS KC (R-REI-BKR-VEXG-52MR) EAC
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# VEXG-52C.R

Gigabit Ethernet, 5,0 Megapixel, Color

Article number: 11185977

## dimension drawing

