Baumer
Passion for Sensors

EX series

EXG50

Gigabit Ethernet, 5 Megapixel, Monochrome

Article number: 11012594

overview

- 2592 × 1944 px
- ON Semiconductor MT9P031
- 1/2.5″ CMOS
- 13 fps
- Gigabit Ethernet
- Phase-Out starting 09/19, alternative via sales



technical data

sensor information	
sensor	ON Semiconductor MT9P031
resolution	2592 × 1944 px
exposure time	0,004 … 1000 ms
pixel size	2.2 × 2.2 µm
shutter type	Rolling shutter
sensor type	1/2.5″ CMOS
acquisition formats	
image formats, interface frame rate max.	Full Frame, 2592 × 1944 px, max. 13 fps Binning 2×2, 1296 × 972 px, max. 33 fps Binning 4×4, 648 × 486 px, max. 52 fps
pixel formats	Mono8 Mono12 Mono12 Packed
image preprocessing	
analog controls	Gain (0 … 18 dB) Offset (0 … 4095 LSB 12 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
digital inputs	1 input line (with Debouncer)

camera features	
digital outputs	1 output line
internal image buffer	32 MB
interfaces and connectors	
data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 4 pins
power supply	M8 / 3 pins
mechanical data	
lens mount	C-mount
width	36 mm
height	36 mm
depth	42 mm
weight	≤ 90 g
material	housing: aluminum
electrical data	
voltage supply range +Vs	8 … 30 V DC
power consumption	approx. 2,7 W
non-volatile memory	
flash memory size	128 kB
environmental conditions	
operating temperature	+5 … +50 °C
humidity	10 … 90 % (non-condensing)
protection class	IP 40

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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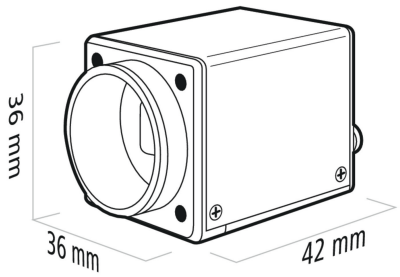
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technical data

conformity

conformity	CE RoHS FCC KC (MSIP-REI-BkR-EXG50) EAC

dimension drawing



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