



#### 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	Full Frame, 2592 × 1944 px, max. 13 fps
frame rate max.	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

#### 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	8 ... 30 V DC
range +Vs	
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

#### conformity

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

#### dimension drawing

