



**GIG** VISION **GEN<i>i>CAM**



#### sensor information

sensor	ON Semiconductor MT9P031
resolution	2592 × 1944 px
exposure time	0,004 ... 1000 ms
color filter	RGB Bayer Mosaic
pixel size	2.2 × 2.2 μm
shutter type	Rolling shutter
sensor type	1/2.5" CMOS

#### acquisition formats

image formats,	Full Frame, 2592 × 1944 px, max. 13 fps
interface	Color Binning 2×2, 1296 × 972 px, max. 33 fps
frame rate max.	Color Binning 4×4, 648 × 486 px, max. 52 fps
pixel formats	Mono8 BayerRG8 BayerRG12 YUV411 Packed YUV422 Packed

#### image preprocessing

analog controls	Gain (0 ... 18 dB) Offset (0 ... 4095 LSB 12 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

#### interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/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

#### mechanical data

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
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#### 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
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#### dimension drawing

