



**GiGE**  
VISION **GEN<i>i>CAM**



#### sensor information

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

#### acquisition formats

image formats, frame rate max.	Full Frame, 2592 × 1944 px, max. 13,0 fps Color Binning 2×2, 1296 × 972 px, max. 33,0 fps Color Binning 4×4, 648 × 486 px, max. 52,0 fps
pixel formats	Mono8 BayerRG8 BayerRG12 YUV411 Packed YUV422 Packed

#### image pre-processing

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 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), Screw lock type
process interface	M8 / 4 pins
power supply	M8 / 3 pins

#### mechanical data

material	housing: aluminum
lens mount	C-mount
width	36 mm

#### mechanical data

height	36 mm
depth	42 mm
weight	≤ 90 g

#### electrical data

voltage supply range +Vs	8 ... 30 V DC
power consumption	approx. 2,7 W

#### environmental conditions

operating temperature	+5 ... +50 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

#### dimension drawing

