



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



#### sensor information

sensor	ams (CMOSIS) CMV4000
resolution	2048 × 2048 px
exposure time	0,02 ... 1000 ms
pixel size	5.5 × 5.5 μm
shutter type	Global shutter
sensor type	1" CMOS

#### acquisition formats

image formats, interface	Full Frame, 2048 × 2048 px, max. 56 fps
frame rate max.	Binning 2×1, 1024 × 2048 px, max. 112 fps
image formats, acquisition	Full Frame, 2048 × 2048 px, max. 180 fps
frame rate max. (Burst Mode)	Subsampling 2×2, 1024 × 1024 px, max. 223 fps
pixel formats	Mono8 Mono10 Mono12

#### image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB)
color models	Mono NIR

#### interfaces and connectors

data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mbits/sec, Connector: 2 x 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins
power supply	M8 / 3 pins

#### mechanical data

lens mount	C-mount (F-mount on request)
width	52 mm
height	52 mm
depth	55 mm

#### mechanical data

weight	≤ 232 g
material	housing: aluminum

#### electrical data

voltage supply	20 ... 30 V DC (external power supply)
range +Vs	38 ... 57 V DC (Power over Ethernet)
power consumption	approx. 8,4 W @ 24 VDC and 56,0 fps approx. 9,5 W @ 48 VDC (PoE) and 56,0 fps

#### environmental conditions

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

#### conformity

conformity	CE RoHS FCC EAC
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#### dimension drawing

