



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

image preprocessing

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

interfaces and connectors

data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mbits/sec, Connector: 2 × 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
weight	≤ 232 g

mechanical data

material	housing: aluminum
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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

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dimension drawing

