



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



sensor information

sensor	ON Semiconductor KAI-01050
resolution	1024 × 1024 px
exposure time	0,004 ... 1000 ms
pixel size	5.5 × 5.5 μm
shutter type	Global shutter
sensor type	1.2" CCD

acquisition formats

image formats, interface frame rate max.	Full Frame, 1024 × 1024 px, max. 120 fps
pixel formats	Mono8 Mono10 Mono12

image preprocessing

analog controls	Gain (0 ... 26 dB)
color adjustment	Offset (0 ... 1023 LSB 14 Bit)
color models	Mono

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
width	52 mm
height	52 mm
depth	72 mm
weight	≤ 285 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. 10,5 W @ 24 VDC and 120,0 fps approx. 11 W @ 48 VDC (PoE) and 120,0 fps

environmental conditions

operating temperature	+5 ... +60 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

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dimension drawing

