



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



sensor information

sensor	ams (CMOSIS) CMV4000 V3
resolution	2048 × 2048 px
exposure time	0,03 ... 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. 59 fps Binning 2×2, 1024 × 1024 px, max. 180 fps
frame rate max.	Binning 1×2, 2048 × 1024 px, max. 118 fps Binning 2×1, 1024 × 2048 px, max. 81 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 2048 px, max. 180 fps
pixel formats	Mono8 Mono10 Mono10 Packed

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Mono NIR

interfaces and connectors

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

mechanical data

lens mount	C-mount
width	60 mm
height	60 mm

mechanical data

depth	52,4 mm
weight	≤ 340 g
material	housing: aluminum

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 6,2 W @ 24 VDC approx. 5,2 W @ 48 VDC (PoE)

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	+5 ... +64 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

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LXG-40NIR

Dual GigE, 4 Megapixel, Monochrome/Enhanced

Article number: **NIR7901**

dimension drawing

