



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



sensor information

sensor	ams (CMOSIS) CMV2000 V3
resolution	2048 × 1088 px
exposure time	0,03 ... 1000 ms
pixel size	5.5 × 5.5 μm
shutter type	Global shutter
sensor type	2/3" CMOS

acquisition formats

image formats, interface	Full Frame, 2048 × 1088 px, max. 111 fps
frame rate max.	Binning 2×2, 1024 × 544 px, max. 336 fps
	Binning 1×2, 2048 × 544 px, max. 222 fps
	Binning 2×1, 1024 × 1088 px, max. 153 fps
image formats, acquisition	Full Frame, 2048 × 1088 px, max. 337 fps
frame rate max. (Burst Mode)	
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
-------------------	--------

environmental conditions

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

conformity

conformity	CE
	RoHS
	EAC

LXG-20NIR

Dual GigE, 2 Megapixel, Monochrome/Enhanced

Article number: **NIR37906**

dimension drawing

