



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



#### sensor information

sensor	ams (CMOSIS) CMV20000
resolution	5120 × 3840 px
exposure time	0,09 ... 1000 ms
color filter	RGB Bayer Mosaic
pixel size	6.4 × 6.4 μm
shutter type	Global shutter
sensor type	35 mm CMOS

#### acquisition formats

image formats, interface	Full Frame, 5120 × 3840 px, max. 12 fps
frame rate max.	
image formats, acquisition	Full Frame, 5120 × 3840 px, max. 32 fps
frame rate max. (Burst Mode)	
pixel formats	BayerGB8 BayerGB12 BayerGB12 Packed

#### image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Raw Bayer

#### interfaces and connectors

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

#### mechanical data

lens mount	M58-mount (F-mount, M42, C-mount via adapter)
width	60 mm
height	60 mm
depth	54,25 mm

#### mechanical data

weight	≤ 290 g (M58-mount)
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. 7,2 W @ 24 VDC approx. 6,0 W @ 48 VDC (PoE)

#### non-volatile memory

flash memory size	128 kB
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#### environmental conditions

operating temperature	+5 ... +65 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

#### conformity

conformity	CE RoHS KC (MSIP-REI-BkR-LXG-200M) EAC
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**dimension drawing**

