Baumer
Passion for Sensors

LX series

LXG-200C

Dual GigE, 20 Megapixel, Color

Article number: 11117849

overview

- 5120 × 3840 px
- ams (CMOSIS) CMV20000
- 35 mm CMOS
- 12 fps
- Dual Gigabit Ethernet
- available



technical data

sensor information	
sensor	ams (CMOSIS) CMV20000
resolution	5120 × 3840 px
exposure time	0,1 … 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 frame rate max.	Full Frame, 5120 × 3840 px, max. 12 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 5120 × 3840 px, max. 32 fps
pixel formats	BayerGB8 BayerGB12 BayerGB12 Packed
image preprocessing	
analog controls	Gain (0 … 12 dB) Offset (0 … 255 LSB 12 Bit)
color models	Raw Bayer
camera features	
synchronization	free running trigger
trigger sources	Hardware software ActionCommand

camera features	
trigger delay	0 … 2 sec, tracking and buffering of up to 256 trigger signals
sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor output ROI Offset x ROI Offset y
digital inputs	1 input line
digital outputs	3 output lines
internal image buffer	512 MB
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 / 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
weight	≤ 290 g (M58-mount)
material	housing: aluminum

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electrical data

voltage supply range +Vs	12 … 24 V DC (external power supply) 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

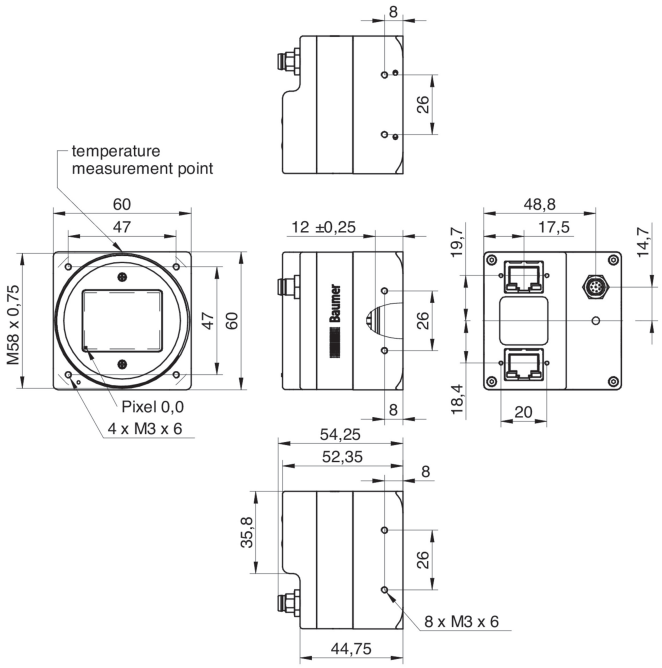
environmental conditions

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

dimension drawing



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