Baumer
Passion for Sensors

LX series

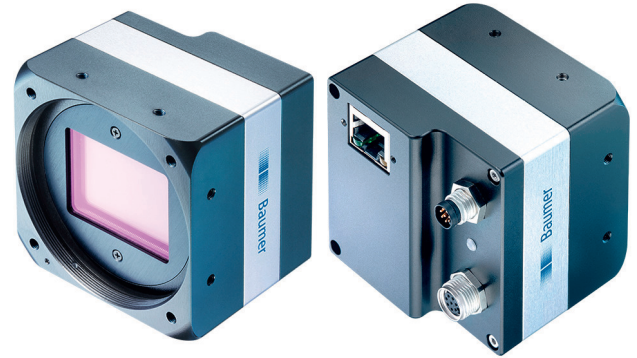# LXG-250M.JP

Gigabit Ethernet, 25 Megapixel, Monochrome

Article number: 11203088

overview

- 5120 × 5120 px
- ON Semiconductor PYTHON 25K
- APS-H CMOS
- 10 fps
- Gigabit Ethernet
- available

GigE VISION GEN<i>CAM CE RoHS COMPLIANT EAC

technical data

sensor information

sensor	ON Semiconductor PYTHON 25K
resolution	5120 × 5120 px
exposure time	0,0029 … 1000 ms
pixel size	4.5 × 4.5 µm
shutter type	Global shutter
sensor type	APS-H CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 5120 × 5120 px, max. 4 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 5120 × 5120 px, max. 10 fps
pixel formats	Mono8 Mono10 Mono10 Packed

image preprocessing

analog controls	Gain (0 … 23,5 dB) Offset (0 … 63 LSB 10 Bit)
color models	Mono
image processing	JPEG

camera features

synchronization	free running trigger
trigger sources	Hardware software ActionCommand
trigger delay	0 … 2 sec, tracking and buffering of up to 256 trigger signals

camera features

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	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins (2x)
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	56,32 mm
weight	≤ 320 g (M58-mount)
material	housing: aluminum

electrical data

voltage supply range +Vs	12 … 24 V DC (external power supply) 36 … 57 V DC (Power over Ethernet)

technical data

electrical data

power consumption	approx. 7,7 W @ 24 VDC (sequential readout)
	approx. 8,7 W @ 48 VDC (PoE, sequential readout)

non-volatile memory

flash memory size	128 kB

environmental conditions

operating temperature	+5 … +60 °C @ T = measurement point
humidity	10 … 90 % (non-condensing)
protection class	IP 40

conformity

conformity	RoHS
	EAC