Baumer
Passion for Sensors

LX series

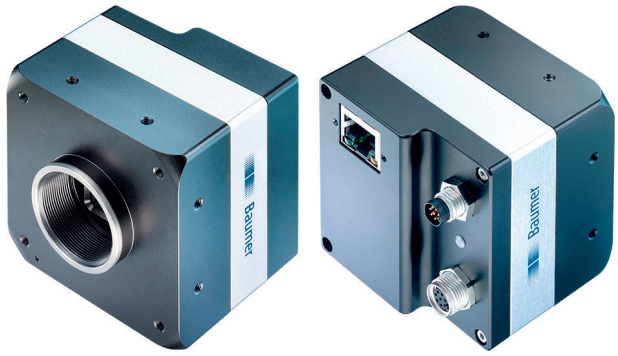
LXG-20M.JP

Gigabit Ethernet, 2 Megapixel, Monochrome

Article number: 11203087

overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000 V3
- 2/3″ CMOS
- Gigabit Ethernet
- available



technical data

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 frame rate max.	Full Frame, 2048 × 1088 px, max. 56 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 1088 px, max. 140 fps
pixel formats	Mono8 Mono10
image preprocessing	
analog controls	Gain (0 … 12 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 512 trigger signals

camera features	
sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor 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	C-mount
width	60 mm
height	60 mm
depth	54,25 mm
weight	≤ 340 g
material	housing: aluminum
electrical data	
voltage supply range +Vs	12 … 24 V DC (external power supply) 36 … 57 V DC (Power over Ethernet)
power consumption	approx. 4,8 W @ 24 VDC approx. 5,5 W @ 48 VDC (PoE)

LX series

LXG-20M.JP

Gigabit Ethernet, 2 Megapixel, Monochrome

Article number: 11203087

technical data

non-volatile memory	
flash memory size	128 kB
environmental conditions	
operating temperature	+5 … +60 °C @ T = measurement point
humidity	10 … 90 % (non-condensing)

environmental conditions	
protection class	IP 40
conformity	
conformity	CE RoHS EAC

dimension drawing