Baumer
Passion for Sensors

SX series

SXG80

Dual GigE, 8 Megapixel, Monochrome

Article number: 11047071

overview

- 3296 × 2472 px
- ON Semiconductor KAI-08050
- 4/3″ CCD
- 16 fps
- Dual Gigabit Ethernet
- Phase-Out starting 09/19, alternative via sales



technical data

sensor information	
sensor	ON Semiconductor KAI-08050
resolution	3296 × 2472 px
exposure time	0,007 … 1000 ms
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	4/3″ CCD
acquisition formats	
image formats, interface frame rate max.	Full Frame, 3296 × 2472 px, max. 16 fps Binning 2×2, 1648 × 1236 px, max. 28 fps Binning 1×2, 3296 × 1236 px, max. 28 fps Binning 2×1, 1648 × 2472 px, max. 16 fps
pixel formats	Mono8 Mono10 Mono12
image preprocessing	
analog controls	Gain (0 … 26 dB)
color adjustment	Offset (0 … 1023 LSB 14 Bit)
color models	Mono
camera features	
synchronization	free running trigger
trigger sources	Hardware software ActionCommand

camera features	
trigger delay	0 … 2 sec, tracking and buffering of up to 512 trigger signals
sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor output
digital inputs	3 input line (each with Debouncer)
digital outputs	3 output lines
internal image buffer	256 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 / 3 pins
mechanical data	
lens mount	C-mount (F-mount on request)
width	52 mm
height	52 mm
depth	72 mm
weight	≤ 285 g
material	housing: aluminum
electrical data	
voltage supply range +Vs	20 … 30 V DC (external power supply) 38 … 57 V DC (Power over Ethernet)

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power consumption	approx. 12 W @ 24 VDC and 16,0 fps approx. 12,5 W @ 48 VDC (PoE) and 16,0 fps

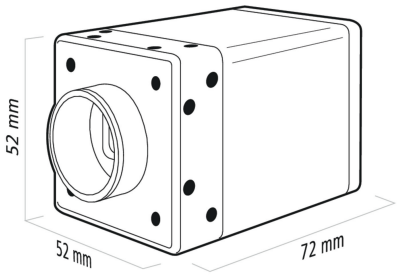
environmental conditions

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

conformity

conformity	CE KC (R-REI-BkR-SXG80) RoHS FCC EAC

dimension drawing



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