Baumer
Passion for Sensors

SX series

SXG20

Camera Link®, 2 Megapixel, Dual GigE, Monochrome

Article number: 11047056

overview

- 1600 × 1200 px
- ON Semiconductor KAI-02050
- 2/3″ CCD
- 68 fps
- Dual Gigabit Ethernet
- Phase-Out starting 09/19, alternative via sales



technical data

sensor information	
sensor	ON Semiconductor KAI-02050
resolution	1600 × 1200 px
exposure time	0,005 … 1000 ms
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	2/3″ CCD
acquisition formats	
image formats, interface frame rate max.	Full Frame, 1600 × 1200 px, max. 68 fps Binning 2×2, 800 × 600 px, max. 123 fps Binning 1×2, 1600 × 600 px, max. 123 fps Binning 2×1, 800 × 1200 px, max. 68 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
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 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
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. 11 W @ 24 VDC and 68,0 fps approx. 11,5 W @ 48 VDC (PoE) and 68,0 fps

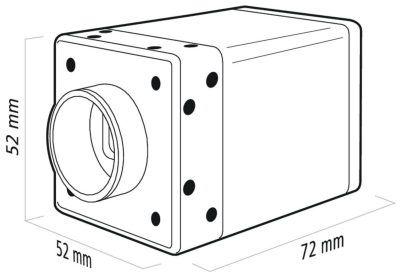
environmental conditions

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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