Baumer
Passion for Sensors

HX series

HXG40c

Dual GigE, 4 Megapixel, Color

Article number: 11080592

overview

- 2048 × 2048 px
- ams (CMOSIS) CMV4000
- 1″ CMOS
- 56 fps
- Dual Gigabit Ethernet
- available



technical data

sensor information	
sensor	ams (CMOSIS) CMV4000
resolution	2048 × 2048 px
exposure time	0,02 … 1000 ms
color filter	RGB Bayer Mosaic
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	1″ CMOS
acquisition formats	
image formats, interface frame rate max.	Full Frame, 2048 × 2048 px, max. 56 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 2048 px, max. 180 fps
pixel formats	BayerGB8 BayerGB10 BayerGB12
image preprocessing	
analog controls	Gain (0 … 12 dB) Offset (0 … 255 LSB)
color models	Raw Bayer
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 (F-mount on request)
width	52 mm
height	52 mm
depth	55 mm
weight	≤ 232 g
material	housing: aluminum
electrical data	
voltage supply range +Vs	20 … 30 V DC (external power supply) 38 … 57 V DC (Power over Ethernet)
power consumption	approx. 8,4 W @ 24 VDC and 56,0 fps approx. 9,5 W @ 48 VDC (PoE) and 56,0 fps

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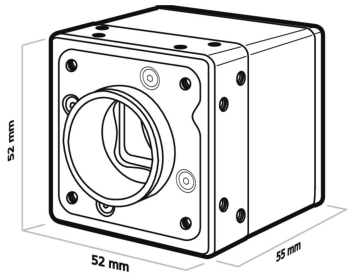
environmental conditions

operating temperature	+5 … +50 °C
humidity	10 … 90 % (non-condensing)
protection class	IP 40

conformity

conformity	CE RoHS FCC EAC

dimension drawing



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