HXG20c

Dual GigE, 2 Megapixel, Color

Article number: 11080595

Overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000
- 2/3″ CMOS
- 105 fps
- Dual Gigabit Ethernet
- available on request



Technical data

Sensor information	
Sensor	ams (CMOSIS) CMV2000
Mono/Color	Color
Color filter	RGB Bayer Mosaic
Sensor type	2/3″ CMOS
Shutter type	Global shutter
Resolution	2048 × 1088 px
Pixel size	5.5 × 5.5 µm
Exposure time	0.02 … 1000 ms
Acquisition formats	
Image formats, interface frame rate max.	Full Frame, 2048 × 1088 px, max. 105 fps
Image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 1088 px, max. 337 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

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	via 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)

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Electrical data

Power consumption	approx. 7,7 W @ 24 VDC and 105,0 fps approx. 8,9 W @ 48 VDC (PoE) and 105,0 fps

Environmental conditions

Operating temperature	+5 … +50 °C
Humidity	10 … 90 % (non-condensing)

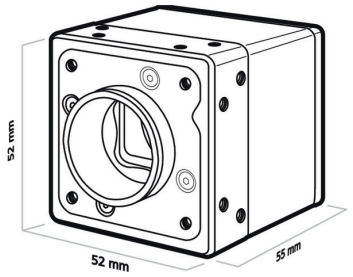
Environmental conditions

Protection class	IP 40

Conformity

Conformity	CE RoHS FCC EAC

Dimension drawing



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