

HXG20NIR

Dual GigE, 2 Megapixel, Monochrome

Article number: 11080594

Overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000
- 2/3" CMOS
- 105 fps
- Dual Gigabit Ethernet



GEN<i>i>CAM



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV2000
Mono/Color	NIR
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 Binning 2×1, 1024 × 1088 px, max. 211 fps Subsampling 2×2, 1024 × 544 px, max. 421 fps
Image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 1088 px, max. 337 fps
Pixel formats	Mono8 Mono10 Mono12

Image preprocessing

Analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB)
Color models	Mono NIR

Camera features

Synchronization	free running trigger
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Camera features

Trigger sources	Hardware Software ActionCommand
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 Mb/s/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

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Electrical data

Voltage supply range +Vs	20 ... 30 V DC (external power supply) 38 ... 57 V DC (Power over Ethernet)
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
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Environmental conditions

Humidity	10 ... 90 % (non-condensing)
Protection class	IP 40

Conformity

Conformity	CE RoHS FCC EAC
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Dimension drawing

