

HXC40NIR

Camera Link®, 4 Megapixel, Monochrome

Article number: 11047483

Overview

- 2048 × 2048 px
- ams (CMOSIS) CMV4000
- 1" CMOS
- 180 fps
- Camera Link® Full



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV4000
Mono/Color	NIR
Sensor type	1" CMOS
Shutter type	Global shutter
Resolution	2048 × 2048 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 × 2048 px, max. 180 fps Binning 2×1, 1024 × 2048 px, max. 180 fps Subsampling 2×2, 1024 × 1024 px, max. 357 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
Trigger sources	Hardware Software FrameGrabber

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	Camera Link Full, connector: 2 x Standard SDR26 (Mini CL)
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	37 mm
Weight	≤ 185 g
Material	housing: aluminum

Electrical data

Voltage supply range +Vs	9.6 ... 30 V DC
Power consumption	approx. 5,5 W

Environmental conditions

Operating temperature	+5 ... +60 °C
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Humidity	10 ... 90 % (non-condensing)
Protection class	IP 40

Conformity

Conformity	CE
	RoHS
	FCC
	KC (MISP-REI-BkR-HXC40)
	EAC

Dimension drawing

