

HXC40

Camera Link®, 4 Megapixel, Monochrome

Article number: 11047481

Overview

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



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV4000
Mono/Color	Mono
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

Data quality (EMVA 1288 typical)

Dark noise	15.6 e-
Saturation capacity	10612 e-
Dynamic range	56.4 dB
Signal-to-noise ratio	40.3 dB
Quantum efficiency	54.9 % @ 536 nm

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

Camera features

Synchronization	free running trigger
Trigger sources	Hardware Software FrameGrabber
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

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Electrical data

Voltage supply range +Vs 9.6 ... 30 V DC

Power consumption approx. 5,5 W

Environmental conditions

Operating temperature +5 ... +60 °C

Humidity 10 ... 90 % (non-condensing)

Protection class IP 40

Conformity

Conformity

CE

RoHS

FCC

KC (MISP-REI-BkR-HXC40)

EAC

Dimension drawing

