

## HXC20

Camera Link®, 2 Megapixel, Monochrome

Article number: 11047484

### Overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000
- 2/3" CMOS
- 337 fps
- Camera Link® Full



Picture similar



### Technical data

#### Sensor information

Sensor	ams (CMOSIS) CMV2000
Mono/Color	Mono
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

#### Data quality (EMVA 1288 typical)

Dark noise	14.6 e-
Saturation capacity	11195 e-
Dynamic range	57.4 dB
Signal-to-noise ratio	40.5 dB
Quantum efficiency	73.7 % @ 536 nm

#### Acquisition formats

Image formats, interface frame rate max.	Full Frame, 2048 × 1088 px, max. 337 fps Binning 2×1, 1024 × 1088 px, max. 337 fps Subsampling 2×2, 1024 × 544 px, max. 664 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

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## Technical data

### Mechanical data

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

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

### Environmental conditions

Protection class IP 40

### Conformity

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

## Dimension drawing

