

## LXC-20C

Camera Link, 2 Megapixel, Color

Article number: 11148639

### Overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000 V3
- 2/3" CMOS
- 337 fps
- Camera Link Full



Picture similar



GEN*i*CAM



### Technical data

#### Sensor information

Sensor	ams (CMOSIS) CMV2000 V3
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	0.03 ... 1000 ms

#### Data quality (EMVA 1288 typical)

Dark noise	16.3 e-
Saturation capacity	9175 e-
Dynamic range	54.6 dB
Signal-to-noise ratio	39.6 dB
Quantum efficiency	42.5 % @ 465 nm 43 % @ 536 nm 42.9 % @ 631 nm

#### Acquisition formats

Image formats, interface	Full Frame, 2048 × 1088 px, max. 337 fps frame rate max.
Pixel formats	BayerGB8 BayerGB10

#### Image preprocessing

Analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
Color models	Raw Bayer
Color processing	NA

#### Camera features

Synchronization	free running trigger
Trigger sources	Hardware Software
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 ROI Offset x ROI Offset y
Digital inputs	1 input line
Digital outputs	1 output line
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 / 8 pins

#### Mechanical data

Lens mount	C-mount
Width	60 mm
Height	60 mm
Depth	43.05 mm
Weight	≤ 285 g

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### Mechanical data

Material housing: aluminum

### Electrical data

Voltage supply range +Vs 12 ... 24 V DC (external power supply)  
0 ... 12 V (PoCL)

Power consumption Approx. 3.8 W @ 24 VDC  
Approx. 3.8 W @ 12 VDC (PoCL)

### Non-volatile memory

Flash memory size 128 kB

### Environmental conditions

Operating temperature +5 ... +64 °C @ T = measurement point

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

Protection class IP 40

### Conformity

Conformity CE  
RoHS  
EAC

## Dimension drawing

