

LXC-40C

Camera Link, 4 Megapixel, Color

Article number: 11148661

Overview

- 2048 × 2048 px
- ams (CMOSIS) CMV4000 V3
- 1" CMOS
- 180 fps
- Camera Link Full



Picture similar



GEN*i*CAM



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV4000 V3
Mono/Color	Color
Color filter	RGB Bayer Mosaic
Sensor type	1" CMOS
Shutter type	Global shutter
Resolution	2048 × 2048 px
Pixel size	5.5 × 5.5 µm
Exposure time	0.03 ... 1000 ms

Data quality (EMVA 1288 typical)

Dark noise	16.14 e-
Saturation capacity	8696 e-
Dynamic range	54.3 dB
Signal-to-noise ratio	39.4 dB
Quantum efficiency	41.1 % @ 465 nm 41.9 % @ 536 nm 39.5 % @ 631 nm

Acquisition formats

Image formats, interface	Full Frame, 2048 × 2048 px, max. 180 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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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

