

LXC-40M

Camera Link®, 4 Megapixel, Monochrome

Article number: 11148640

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	Mono
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	16.87 e-
Saturation capacity	8428 e-
Dynamic range	53.6 dB
Signal-to-noise ratio	39.3 dB
Quantum efficiency	47.3 % @ 536 nm

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 2048 × 2048 px, max. 180 fps Binning 2×2, 1024 × 1024 px, max. 180 fps Binning 1×2, 1024 × 2048 px, max. 180 fps Binning 2×1, 2048 × 1024 px, max. 180 fps
Pixel formats	Mono8 Mono10

Image preprocessing

Analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
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Image preprocessing

Color models	Mono
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
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Mechanical data

Width	60 mm
Height	60 mm
Depth	43.05 mm
Weight	≤ 285 g
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
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Environmental conditions

Operating temperature	+5 ... +64 °C @ T = measurement point
Humidity	10 ... 90 % (non-condensing)
Protection class	IP 40

Conformity

Conformity	CE RoHS EAC
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Dimension drawing

