

LXC-500M

Camera Link®, 48 Megapixel, Monochrome

Article number: 11188975

Overview

- 7920 × 6004 px
- ams (CMOSIS) CMV50000
- 35 mm CMOS
- 15 fps
- Camera Link® Full
- available



GEN*i*CAM



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV50000
Mono/Color	Mono
Sensor type	35 mm CMOS
Shutter type	Global shutter
Resolution	7920 × 6004 px
Pixel size	4.6 × 4.6 μm
Exposure time	0,1 ... 1000 ms

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 7920 × 6004 px, max. 15 fps Binning 2×2, 3960 × 3002 px, max. 15 fps Binning 1×2, 7920 × 3002 px, max. 15 fps Binning 2×1, 3960 × 6004 px, max. 15 fps
Pixel formats	Mono8 Mono12

Image preprocessing

Analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit)
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Color models	Mono
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Camera features

Synchronization	free running trigger
Trigger sources	Hardware Software ActionCommand
Trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
Sequencer	Automated control for series of images using different sets of parameters

Camera features

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	512 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	M58-mount (F-mount, M42, C-mount via adapter)
Width	60 mm
Height	60 mm
Depth	43,05 mm
Weight	≤ 235 g (M58-mount)
Material	housing: aluminum

Electrical data

Voltage supply range +Vs	12 ... 24 V DC (external power supply) 38 ... 57 V (PoCL)
Power consumption	approx. 10 W @ 24 VDC (sequential readout) approx. 12 W @ 12 VDC (PoCL)

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Non-volatile memory

Flash memory size 128 kB

Environmental conditions

Operating temperature +5 ... +66 °C @ T = measurement point

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

Environmental conditions

Protection class IP 40

Conformity

Conformity CE
RoHS
EAC

Dimension drawing

