

LXC-20M

Camera Link®, 2 Megapixel, Monochrome

Article number: 11143926

Overview

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



GEN*<i>i*



Technical data

Sensor information

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

Data quality (EMVA 1288 typical)

Dark noise	16.11 e-
Saturation capacity	9058 e-
Dynamic range	54.6 dB
Signal-to-noise ratio	39.6 dB
Quantum efficiency	51.2 % @ 536 nm

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 2048 × 1088 px, max. 337 fps Binning 2×2, 1024 × 544 px, max. 337 fps Binning 1×2, 2048 × 544 px, max. 337 fps Binning 2×1, 1024 × 1088 px, max. 337 fps
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Pixel formats	Mono8 Mono10
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Image preprocessing

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

