

LXC-200M

Camera Link, 12 Megapixel, Monochrome

Article number: 11148673

Overview

- 5120 × 3840 px
- ams (CMOSIS) CMV20000
- 35 mm CMOS
- 32 fps
- Camera Link Full



Picture similar



GEN*<i>i*>CAM



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV20000
Mono/Color	Mono
Sensor type	35 mm CMOS
Shutter type	Global shutter
Resolution	5120 × 3840 px
Pixel size	6.4 × 6.4 μm
Exposure time	0.1 ... 1000 ms

Data quality (EMVA 1288 typical)

Dark noise	10.03 e-
Saturation capacity	16092 e-
Dynamic range	63.6 dB
Signal-to-noise ratio	42.1 dB
Quantum efficiency	70.1 % @ 536 nm

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 5120 × 3840 px, max. 32 fps Binning 2×2, 2560 × 1920 px, max. 32 fps Binning 1×2, 5120 × 1920 px, max. 32 fps Binning 2×1, 2560 × 3840 px, max. 32 fps
Pixel formats	Mono8 Mono10 Mono12

Image preprocessing

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

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
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

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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. 5.5 W @ 24 VDC Approx. 5.5 W @ 12 VDC (PoCL)

Non-volatile memory

Flash memory size	128 kB
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Environmental conditions

Operating temperature	+5 ... +65 °C @ T = measurement point
Humidity	10 ... 90 % (non-condensing)
Protection class	IP 40

Conformity

Conformity	CE RoHS EAC KC (R-R-BkR-LXC-200M)
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Dimension drawing

