

overview

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



technical data

sensor information

sensor	ams (CMOSIS) CMV50000
resolution	7920 × 6004 px
exposure time	0,1 ... 1000 ms
pixel size	4.6 × 4.6 μm
shutter type	Global shutter
sensor type	35 mm CMOS

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)
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

camera features

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	M8 / 8 pins

mechanical data

lens mount	M58-mount (F-mount, M42, C-mount via adapter)
width	60 mm
height	60 mm
depth	50,02 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)
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LXC-500M

Camera Link[®], 48 Megapixel, Monochrome

Article number: 11188975

technical data

electrical data

power consumption	approx. 10 W @ 24 VDC (sequential readout)
	approx. 12 W @ 12 VDC (PoCL)

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	+5 ... +60 °C @ T = measurement point
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environmental conditions

humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

conformity	CE RoHS EAC
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dimension drawing

