

overview

- 2048 × 2048 px
- ams (CMOSIS) CMV4000 V3
- 1" CMOS
- 180 fps
- Camera Link® Full
- available



technical data

sensor information

sensor	ams (CMOSIS) CMV4000 V3
resolution	2048 × 2048 px
exposure time	0,03 ... 1000 ms
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	1" CMOS

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)
color models	Mono
color processing	NA

camera features

synchronization	free running trigger
trigger sources	Hardware software

camera features

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	M8 / 8 pins

mechanical data

lens mount	C-mount
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)
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LXC-40M

Camera Link®, 4 Megapixel, Monochrome

Article number: 11148640

technical data

electrical data

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
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environmental conditions

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

conformity

conformity	CE
	RoHS
	EAC

dimension drawing

