



sensor information

sensor	ams (CMOSIS) CMV12000
resolution	4096 × 3072 px
exposure time	0,02 ... 1000 ms
pixel size	5.5 × 5.5 μm
shutter type	Global shutter
sensor type	APS-C CMOS

acquisition formats

image formats, interface	Full Frame, 4096 × 3072 px, max. 63 fps
frame rate max.	Binning 2×2, 2048 × 1536 px, max. 63 fps Binning 1×2, 4096 × 1536 px, max. 63 fps Binning 2×1, 2048 × 3072 px, max. 63 fps
pixel formats	Mono8 Mono10

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Mono

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	47,95 mm
weight	≤ 235 g (M58-mount)
material	housing: aluminum

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	38 ... 57 V (PoCL)

electrical data

power consumption	approx. 6,5 W @ 24 VDC approx. 6,5 W @ 12 VDC (PoCL)
-------------------	---

non-volatile memory

flash memory size	128 kB
-------------------	--------

environmental conditions

operating temperature	+5 ... +65 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

conformity	CE RoHS
------------	------------

LXC-120M

Camera Link®, 12 Megapixel, Monochrome

Article number: 11148663

dimension drawing

