



sensor information

sensor	ams (CMOSIS) CMV12000
resolution	4096 × 3072 px
exposure time	0,02 ... 1000 ms
color filter	RGB Bayer Mosaic
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.	
pixel formats	BayerGB8 BayerGB10

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Raw Bayer
color processing	NA

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)
power consumption	approx. 6,5 W @ 24 VDC approx. 6,5 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
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LXC-120C

Camera Link®, 12 Megapixel, Color

Article number: 11148664

dimension drawing

