



sensor information

sensor	CMOSIS CMV12000
type	APS-C global shutter CMOS
resolution	4096 × 3072 px
exposure time	0,02 ... 1000 ms
color filter	RGB Bayer Mosaic
pixel size	5.5 × 5.5 µm

acquisition formats

image formats, frame rate max.	Full Frame, 4096 × 3072 px, max. 63,0 fps
pixel formats	BayerGB8 BayerGB10 BayerGB10 Packed

image pre-processing

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

material	housing: aluminum
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)

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)
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environmental conditions

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

dimension drawing

