



sensor information

sensor	ams (CMOSIS) CMV4000
resolution	2048 × 2048 px
exposure time	0,02 ... 1000 ms
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	1" CMOS

acquisition formats

image formats, interface	Full Frame, 2048 × 2048 px, max. 180 fps
frame rate max.	Binning 2×1, 1024 × 2048 px, max. 180 fps
pixel formats	Subsampling 2×2, 1024 × 1024 px, max. 357 fps
	Mono8
	Mono10
	Mono12

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB)
color models	Mono NIR

interfaces and connectors

data interface	Camera Link® Full, connector: 2 x Standard SDR26 (Mini CL)
process interface	M8 / 8 pins
power supply	M8 / 3 pins

mechanical data

lens mount	C-mount (F-mount on request)
width	52 mm
height	52 mm
depth	37 mm
weight	≤ 185 g
material	housing: aluminum

electrical data

voltage supply range +Vs	9,6 ... 30 V DC
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electrical data

power consumption	approx. 5,5 W
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environmental conditions

operating temperature	+5 ... +60 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

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dimension drawing

