



sensor information

sensor	ams (CMOSIS) CMV50000
type	35 mm progressive scan CMOS, global shutter
resolution	7920 × 6004 px
exposure time	0,1 ... 1000 ms
pixel size	4.6 × 4.6 μm

acquisition formats

image formats, frame rate max.	Full Frame, 7920 × 6004 px, max. 15,0 fps Binning 2×2, 3960 × 3002 px, max. 15,0 fps Binning 1×2, 7920 × 3002 px, max. 15,0 fps Binning 2×1, 3960 × 6004 px, max. 15,0 fps
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pixel formats	Mono8 Mono12
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image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 Bit)
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color models	Mono
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interfaces and connectors

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

material	housing: aluminum
lens mount	M58-mount (F-mount, M42, C-mount via adapter)
width	60 mm
height	60 mm
depth	50,02 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. 10 W @ 24 VDC (sequential readout) ca. 12 W @ 12 VDC (PoCL)
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non-volatile memory

flash memory size	32 Mbit
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environmental conditions

operating temperature	+5 ... +60 °C @ T = Messpunkt
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humidity	10 ... 90 % (non-condensing)
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protection class	IP 40
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dimension drawing

