



sensor information

sensor	ams (CMOSIS) CMV50000
type	35 mm progressive scan CMOS, global shutter
resolution	7920 × 6004 px
exposure time	0,1 ... 1000 ms
color filter	RGB Bayer Mosaic
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
pixel formats	BayerGB8 BayerGB12

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 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	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)
power consumption	approx. 10 W @ 24 VDC (sequential readout) ca. 12 W @ 12 VDC (PoCL)

non-volatile memory

flash memory size	32 Mbit
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environmental conditions

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

dimension drawing

