



sensor information

sensor	CMOSIS CMV4000 V3
type	1" global shutter CMOS
resolution	2048 × 2048 px
exposure time	0,03 ... 1000 ms
pixel size	5.5 × 5.5 µm

acquisition formats

image formats, frame rate max.	Full Frame, 2048 × 2048 px, max. 59,0 fps Binning 2×2, 1024 × 1024 px, max. 180,2 fps Binning 1×2, 2048 × 1024 px, max. 118,6 fps Binning 2×1, 1024 × 2048 px, max. 81,7 fps
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pixel formats	Mono8 Mono10 Mono10 Packed
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image pre-processing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
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color models	Mono
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interfaces and connectors

data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mb/s/sec, Connector: 2 x 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins
power supply	M8 / 8 pins

mechanical data

material	housing: aluminum
lens mount	C-mount
width	60 mm
height	60 mm
depth	52,4 mm
weight	≤ 340 g

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)

electrical data

power consumption	approx. 6,2 W @ 24 VDC approx. 5,2 W @ 48 VDC (PoE)
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environmental conditions

operating temperature	+5 ... +50 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

dimension drawing

