



sensor information

sensor	CMOSIS CMV4000
type	1" global shutter CMOS
resolution	2048 × 2048 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, 2048 × 2048 px, max. 56,0 fps
pixel formats	BayerGB8 BayerGB10 BayerGB12

image pre-processing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB)
color models	Raw Bayer

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 / 3 pins

mechanical data

material	housing: aluminum
lens mount	C-mount (F-mount on request)
width	52 mm
height	52 mm
depth	55 mm
weight	≤ 232 g

electrical data

voltage supply range +Vs	20 ... 30 V DC (external power supply) 38 ... 57 V DC (Power over Ethernet)
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electrical data

power consumption	approx. 8,4 W @ 24 VDC and 56,0 fps approx. 9,5 W @ 48 VDC (PoE) and 56,0 fps
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environmental conditions

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

dimension drawing

