



sensor information

sensor	ams (CMOSIS) CMV2000 V3
resolution	2048 × 1088 px
exposure time	0,03 ... 1000 ms
pixel size	5.5 × 5.5 μm
shutter type	Global shutter
sensor type	2/3" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 2048 × 1088 px, max. 56 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 1088 px, max. 140 fps
pixel formats	BayerGB8 BayerGB10 BayerGB10 Packed

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Raw Bayer
image processing	VisualApplets 3.x

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins (2x)
power supply	M8 / 8 pins

mechanical data

lens mount	C-mount
width	60 mm
height	60 mm
depth	54,25 mm

mechanical data

weight	≤ 340 g
material	housing: aluminum

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 4,8 W @ 24 VDC approx. 5,5 W @ 48 VDC (PoE)

non-volatile memory

flash memory size	128 kB
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environmental conditions

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

conformity

conformity	CE RoHS
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dimension drawing

