



### sensor information

sensor	ams (CMOSIS) CMV4000 V3
resolution	2040 × 2044 px
pixel size	5.5 × 5.5 μm
shutter type	Global shutter
sensor type	1" CMOS

### acquisition formats

image formats, interface	Full Frame, 2040 × 2044 px, max. 29 fps
frame rate max.	
pixel formats	Mono8 Mono12 Mono12 Packed

### image preprocessing

analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Mono

### interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45)
process interface	JSTBM08B-SRSS-TB 8 pins
power supply	JSTBM03B-SRSS-TB 3 pins

### mechanical data

lens mount	C-mount / S-mount (adapter)
width	28,5 mm (sensor print) 48 mm (system print)
height	28,5 mm (sensor print) 48 mm (system print)
weight	≤ 30 g
material	without housing

### 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. 3,6 W @ 12 VDC and 29,0 fps approx. 3,7 W @ 48 VDC (PoE) and 23,5 fps
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### non-volatile memory

flash memory size	128 kB
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### environmental conditions

operating temperature	Depends on the thermal encapsulation (T <sub>max</sub> = 70 °C @ Measurement Point)
humidity	10 ... 90 % (non-condensing)

### digital I/Os

lines	1 input line 3 output lines
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### conformity

conformity	CE RoHS EAC
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### dimension drawing

