



sensor information

sensor	ams (CMOSIS) CMV300
resolution	640 × 480 px
pixel size	7.4 × 7.4 μm
shutter type	Global shutter
sensor type	1/3" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 640 × 480 px, max. 376 fps
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 range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
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electrical data

power consumption	approx. 3,0 W @ 12 VDC and 376,0 fps approx. 3,6 W @ 48 VDC (PoE) and 376,0 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 _{max} = 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

