



sensor information

sensor	Sony ICX274
type	1/1.8" progressive scan CCD
resolution	1624 × 1228 px
pixel size	4.4 × 4.4 μm

acquisition formats

image formats, frame rate max.	Full Frame, 1624 × 1228 px, max. 27,0 fps
pixel formats	Mono8 Mono12 Mono12 Packed

image pre-processing

analog controls	Gain (0 ... 29 dB) Offset (0 ... 1023 LSB 14 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

material	without housing
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

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 4,3 W @ 12 VDC and 27,0 fps approx. 4,7 W @ 48 VDC (PoE) and 27,0 fps

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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dimension drawing

