



sensor information

sensor	Sony ICX445
resolution	1288 × 960 px
pixel size	3.75 × 3.75 μm
shutter type	Global shutter
sensor type	1/3" CCD

acquisition formats

image formats, interface frame rate max.	Full Frame, 1288 × 960 px, max. 42 fps
pixel formats	Mono8 Mono12 Mono12 Packed

image preprocessing

analog controls	Gain (0 ... 26 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

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)
--------------------------	--

electrical data

power consumption	approx. 3,6 W @ 12 VDC and 42,0 fps approx. 3,8 W @ 48 VDC (PoE) and 42,0 fps
-------------------	--

non-volatile memory

flash memory size	128 kB
-------------------	--------

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
-------	--------------------------------

conformity

conformity	CE RoHS EAC
------------	-------------------

dimension drawing

