



sensor information

sensor	ON Semiconductor KAI-01050
type	1.2" interline progressive scan CCD
resolution	1024 × 1024 px
exposure time	0,004 ... 1000 ms
color filter	RGB Bayer Mosaic
pixel size	5.5 × 5.5 μm

acquisition formats

image formats, frame rate max.	Full Frame, 1024 × 1024 px, max. 120,0 fps
pixel formats	BayerRG8 BayerRG10 BayerRG12

image pre-processing

analog controls	Gain (0 ... 26 dB)
color adjustment	Offset (0 ... 1023 LSB 14 Bit)
color models	Raw Bayer

interfaces and connectors

data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mbits/sec, Connector: 2 x 8P8C Modular Jack (RJ45), Screw lock type
process interface	M8 / 8 pins
power supply	M8 / 3 pins

mechanical data

material	housing: aluminum
lens mount	C-mount
width	52 mm
height	52 mm
depth	72 mm
weight	≤ 285 g

electrical data

voltage supply range +Vs	20 ... 30 V DC (external power supply) 38 ... 57 V DC (Power over Ethernet)
--------------------------	--

electrical data

power consumption	approx. 10,5 W @ 24 VDC and 120,0 fps approx. 11 W @ 48 VDC (PoE) and 120,0 fps
-------------------	--

environmental conditions

operating temperature	+5 ... +60 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

dimension drawing

