



sensor information

sensor	Sony ICX424
type	1/3" interline progressive scan CCD
resolution	656 × 490 px
exposure time	0,004 ... 60000 ms
color filter	RGB Bayer Mosaic
pixel size	7.4 × 7.4 μm

acquisition formats

image formats,	Full Frame HQ, 656 × 490 px, max. 46,0 fps
frame rate max.	Full Frame, 656 × 490 px, max. 90,0 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

image pre-processing

analog controls	Gain (0 ... 20 dB) Offset (0 ... 255 LSB 12 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), Screw lock type
process interface	M8 / 4 pins
power supply	M8 / 3 pins

mechanical data

material	housing: aluminum
lens mount	C-mount

mechanical data

width	36 mm
height	36 mm
depth	48 mm
weight	≤ 90 g

electrical data

voltage supply	8 ... 30 V DC
range +Vs	
power consumption	approx. 3,5 W

environmental conditions

operating	+5 ... +50 °C
temperature	
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

dimension drawing

