



sensor information

sensor	CMOSIS CMV12000
type	APS-C global shutter CMOS
resolution	4096 × 3072 px
exposure time	0,04 ... 1000 ms
color filter	RGB Bayer Mosaic
pixel size	5.5 × 5.5 μm

acquisition formats

image formats, frame rate max.	Full Frame, 4096 × 3072 px, max. 19,0 fps
pixel formats	BayerGB8 BayerGB12 BayerGB12 Packed

image pre-processing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Raw Bayer
color processing	NA

interfaces and connectors

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

mechanical data

material	housing: aluminum
lens mount	M58-mount (F-mount, M42, C-mount via adapter)
width	60 mm
height	60 mm
depth	54,25 mm
weight	≤ 290 g (M58-mount)

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 7,0 W @ 24 VDC approx. 6,5 W @ 48 VDC (PoE)

environmental conditions

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

dimension drawing

