



### sensor information

sensor	CMOSIS CMV20000
type	35 mm global shutter CMOS
resolution	5120 × 3840 px
exposure time	0,19 ... 1000 ms
pixel size	6.4 × 6.4 μm

### acquisition formats

image formats, frame rate max.	Full Frame, 5120 × 3840 px, max. 12.0 fps Binning 2×2, 2560 × 1920 px, max. 12.0 fps Binning 1×2, 5120 × 1920 px, max. 12.0 fps Binning 2×1, 2560 × 3840 px, max. 12.0 fps
--------------------------------	---

pixel formats	Mono 8 Mono12 Mono12 Packed
---------------	-----------------------------------

### image pre-processing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 Bit)
-----------------	---

color models	Mono
--------------	------

### interfaces and connectors

data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mb/s/sec, Connector: 2 x 8P8C Modular Jack (RJ45), Screw lock 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 range +Vs	12 ... 24 V DC (external power supply) 38 ... 57 V DC (Power over Ethernet)
--------------------------	--

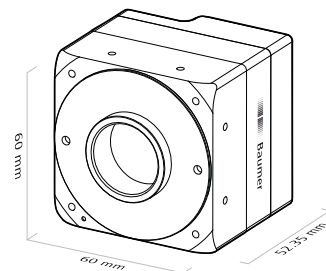
### electrical data

power consumption	approx. 6.5 W @ 24 VDC approx. 6.5 W @ 48 VDC (PoE)
-------------------	--

### environmental conditions

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

### dimension drawing



Distribution in the UK & Ireland



**Characterisation,  
Measurement &  
Analysis**

**Lambda Photometrics Limited**  
Lambda House Batford Mill  
Harpenden Herts AL5 5BZ  
United Kingdom  
E: [info@lambdaphoto.co.uk](mailto:info@lambdaphoto.co.uk)  
W: [www.lambdaphoto.co.uk](http://www.lambdaphoto.co.uk)  
T: +44 (0)1582 764334  
F: +44 (0)1582 712084