

## overview

- 4096 × 3068 px
- ams (CMOSIS) CMV12000
- APS-C CMOS
- 335 fps
- 10 GigE
- available



## technical data

### sensor information

sensor	ams (CMOSIS) CMV12000
resolution	4096 × 3068 px
exposure time	0,01 ... 1000 ms
pixel size	5.5 × 5.5 μm
shutter type	Global shutter
sensor type	APS-C CMOS

### acquisition formats

image formats, interface frame rate max.	Full Frame, 4096 × 3068 px, max. 92 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 4096 × 3068 px, max. 335 fps
pixel formats	Mono8

### image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 31 LSB 8 Bit)
color models	Mono

### camera features

synchronization	free running trigger
trigger sources	Hardware software
trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
sequencer	Automated control for series of images using different sets of parameters

### camera features

sequencer parameter	exposure time gain factor output ROI Offset x ROI Offset y
digital inputs	2 inputs
digital outputs	2 outputs
internal image buffer	8192 MB

### interfaces and connectors

data interface	10 Gigabit Ethernet, Transfer rate 10000 Mbits/sec, Gigabit Ethernet, Transfer rate 1000 Mbits/sec, connector: SACC-CI-M12FS-8CON-L180-10G
process interface / power supply	SACC-CI-M12MS-8CON-SH TOR 32 / 8 pins

### mechanical data

lens mount	M58-mount (F-mount, M42, C-mount via adapter)
width	70 mm
height	70 mm
depth	99,15 mm
weight	≤ 640 g (M58-mount)
material	housing: aluminum

### electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply)
power consumption	approx. 17,5 W @ 24 VDC

## technical data

### non-volatile memory

flash memory size 128 kB

### environmental conditions

operating temperature +5 ... +65 °C @ T = measurement point

humidity 10 ... 90 % (non-condensing)

### environmental conditions

protection class IP 40

### conformity

conformity CE  
RoHS  
EAC

## dimension drawing

