

**overview**

- 4000 × 3000 px
- Sony IMX226
- 1/1.9" CMOS
- 29 fps
- USB 3.0
- available



**technical data**

**sensor information**

sensor	Sony IMX226
resolution	4000 × 3000 px
exposure time	0,044 ... 60000 ms
pixel size	1.85 × 1.85 µm
shutter type	Rolling shutter Global reset shutter
sensor type	1/1.9" CMOS

**acquisition formats**

image formats, interface frame rate max.	Full Frame, 4000 × 3000 px, max. 29 fps Binning 2×2, 2000 × 1500 px, max. 31 fps Binning 2×1, 2000 × 3000 px, max. 29 fps Binning 1×2, 4000 × 1500 px, max. 31 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 4000 × 3000 px, max. 31 fps

image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 4000 × 3000 px, max. 31 fps
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pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8
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**image preprocessing**

analog controls	Gain (0 ... 20 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Mono Raw Bayer RGB BGR

**camera features**

synchronization	free running trigger
trigger sources	Hardware software
trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
internal image buffer	481 MB 14 images (Trigger Mode) 1 image (Free Running Mode)

**interfaces and connectors**

data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON-M8-L180)
power supply	via USB 3.0 interface

**mechanical data**

lens mount	C-mount
width	29 mm
height	29 mm
depth	38 mm
weight	≤ 90 g

**technical data**

**mechanical data**

material zinc die casting, nickel-plated, IP 40

**electrical data**

power consumption approx. 3,3 W @ 29 fps

operating voltage 5 VDC (via USB3.0 interface)

**non-volatile memory**

flash memory size 128 kB

**environmental conditions**

operating temperature +5 ... +60 °C @ T = measurement point

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

**environmental conditions**

protection class IP 40

**digital I/Os**

lines  
1 input line  
1 output line  
2 general purpose lines

**conformity**

conformity  
CE  
RoHS  
EAC

**dimension drawing**

