

**overview**

- 3072 × 2048 px
- Sony IMX178
- 1/1.8" CMOS
- 47 fps
- USB 3.0
- available



**technical data**

sensor information		camera features	
sensor	Sony IMX178	synchronization	free running trigger
resolution	3072 × 2048 px	trigger sources	Hardware software
exposure time	0,014 ... 60000 ms	trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
pixel size	2.4 × 2.4 μm	internal image buffer	450 MB 25 images (Trigger Mode) 1 image (Free Running Mode)
shutter type	Rolling shutter Global reset shutter	interfaces and connectors	
sensor type	1/1.8" CMOS	data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
acquisition formats		process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON- M8-L180)
image formats, interface frame rate max.	Full Frame, 3072 × 2048 px, max. 47 fps Binning 2×2, 1536 × 1024 px, max. 43 fps Binning 2×1, 1536 × 2048 px, max. 43 fps Binning 1×2, 3072 × 1024 px, max. 43 fps	power supply	via USB 3.0 interface
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 3072 × 2048 px, max. 47 fps	mechanical data	
pixel formats	Mono8 Mono10 Mono12 Mono12 Packed	lens mount	C-mount
image preprocessing		width	29 mm
analog controls	Gain (0 ... 26 dB) Offset (0 ... 255 LSB 12 Bit)	height	29 mm
color models	Mono	depth	38 mm
		weight	≤ 90 g
		material	zinc die casting, nickel-plated, IP 40
		electrical data	
		power consumption	approx. 2,9 W @ 47 fps
		operating voltage	5 VDC (via USB3.0 interface)
		non-volatile memory	
		flash memory size	128 kB

2019-11-27 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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**environmental conditions**

operating temperature	+5 ... +65 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

**digital I/Os**

lines	1 input line 1 output line 2 general purpose lines
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**conformity**

conformity	CE RoHS EAC
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**dimension drawing**

