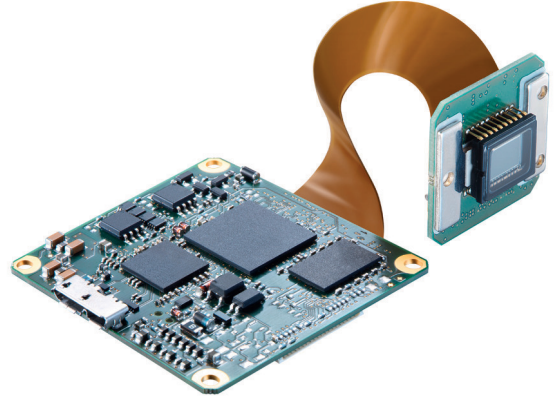


overview

- 2044 × 2044 px
- ams (CMOSIS) CMV4000 V3
- 1" CMOS
- 29 fps
- USB 3.0
- available



technical data

sensor information

sensor	ams (CMOSIS) CMV4000 V3
resolution	2044 × 2044 px
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	1" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 2044 × 2044 px, max. 29 fps
pixel formats	Mono8 Mono12 Mono12 Packed

image preprocessing

analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 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 512 trigger signals
sequencer	Automated control for series of images using different sets of parameters

camera features

sequencer parameter	exposure time gain factor output line ROI Offset x ROI Offset y
internal image buffer	8 images

interfaces and connectors

data interface	USB 3.0, Transfer Rate 5000 Mb/s/sec, Connector: USB 3.0 Micro B
process interface	JSTBM08B-SRSS-TB 8 pins

mechanical data

lens mount	C-mount / S-mount (adapter)
width	28,5 mm (sensor print) 48 mm (system print)
height	28,5 mm (sensor print) 48 mm (system print)
weight	≤ 30 g
material	without housing

electrical data

power consumption	approx. 2,6 W @ 29,0 fps
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non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	Depends on the thermal encapsulation (T _{max} = 70 °C @ Measurement Point)
humidity	10 ... 90 % (non-condensing)

technical data

digital I/Os

lines	1 input line
	1 output line
	2 general purpose lines

conformity

conformity	CE
	RoHS

dimension drawing

