

overview

- 640 × 480 px
- ams (CMOSIS) CMV300
- 1/3" CMOS
- 376 fps
- USB 3.0
- available



technical data

sensor information		camera features	
sensor	ams (CMOSIS) CMV300	sequencer parameter	exposure time gain factor output line ROI Offset x ROI Offset y
resolution	640 × 480 px	digital inputs	1 input line
exposure time	0,015 ... 1000 ms	digital outputs	3 output lines
pixel size	7.4 × 7.4 µm	internal image buffer	120 MB
shutter type	Global shutter	interfaces and connectors	
sensor type	1/3" 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-M8FS- 8CONM10-L180 SH)
image formats, interface frame rate max.	Full Frame, 640 × 480 px, max. 376 fps	power supply	via USB 3.0 interface
pixel formats	Mono8 Mono12 Mono12 Packed	mechanical data	
image preprocessing		lens mount	C-mount
analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit)	width	33 mm
color models	Mono	height	33 mm
camera features		depth	48 mm
synchronization	free running trigger	weight	≤ 140 g
trigger sources	Hardware software	material	zinc die casting, nickel-plated, IP 40
trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals	electrical data	
sequencer	Automated control for series of images using different sets of parameters	power consumption	approx. 2,3 W @ 376,0 fps
		non-volatile memory	
		flash memory size	128 kB
		environmental conditions	
		operating temperature	+5 ... +50 °C

technical data

environmental conditions

humidity	10 ... 90 % (non-condensing)
protection class	IP 40

digital I/Os

lines	1 input line 3 output lines
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conformity

conformity	CE RoHS
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dimension drawing

