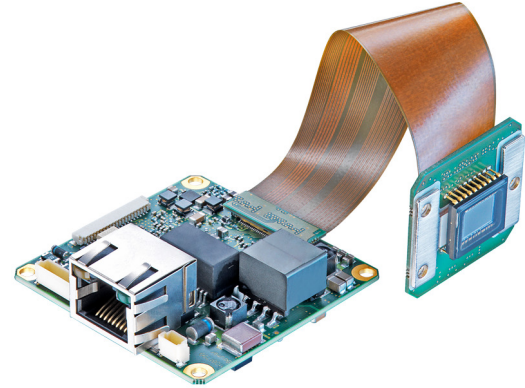


overview

- 640 × 480 px
- ams (CMOSIS) CMV300
- 1/3" CMOS
- 376 fps
- Gigabit Ethernet
- Phase-Out starting 08/20, alternative via sales



technical data

sensor information

sensor	ams (CMOSIS) CMV300
resolution	640 × 480 px
pixel size	7.4 × 7.4 µm
shutter type	Global shutter
sensor type	1/3" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 640 × 480 px, max. 376 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 ActionCommand
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 ROI Offset x ROI Offset y
digital inputs	1 input line
digital outputs	3 output lines
internal image buffer	120 MB

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45)
process interface	JSTBM08B-SRSS-TB 8 pins
power supply	JSTBM03B-SRSS-TB 3 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

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
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technical data

electrical data

power consumption	approx. 3,0 W @ 12 VDC and 376,0 fps
	approx. 3,6 W @ 48 VDC (PoE) and 376,0 fps

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)
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environmental conditions

humidity	10 ... 90 % (non-condensing)
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digital I/Os

lines	1 input line 3 output lines
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conformity

conformity	CE RoHS EAC
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dimension drawing

