

**overview**

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



**technical data**

sensor information		camera features	
sensor	ams (CMOSIS) CMV300	synchronization	free running trigger
resolution	640 × 480 px	trigger sources	Hardware software ActionCommand
exposure time	0,015 ... 1000 ms	trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals
pixel size	7.4 × 7.4 μm	sequencer	Automated control for series of images using different sets of parameters
shutter type	Global shutter	sequencer parameter	exposure time gain factor output ROI Offset x ROI Offset y
sensor type	1/3" CMOS	digital inputs	1 input line
acquisition formats		digital outputs	3 output lines
image formats, interface	Full Frame, 640 × 480 px, max. 376 fps frame rate max.	internal image buffer	120 MB
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed	interfaces and connectors	
image preprocessing		data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer Rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit)	process interface	SACC-DSI-M8FS-3CON-M10-L180 SH
color models	RGB YUV Mono	power supply	SACC-DSI-M 8MS-6CON-L180 SH
color processing	Integrated color processor for high quality color calculation	mechanical data	
		lens mount	C-mount
		width	33 mm

**technical data**

**mechanical data**

height	33 mm
depth	48 mm
weight	≤ 150 g
material	zinc die casting, nickel-plated, IP 40

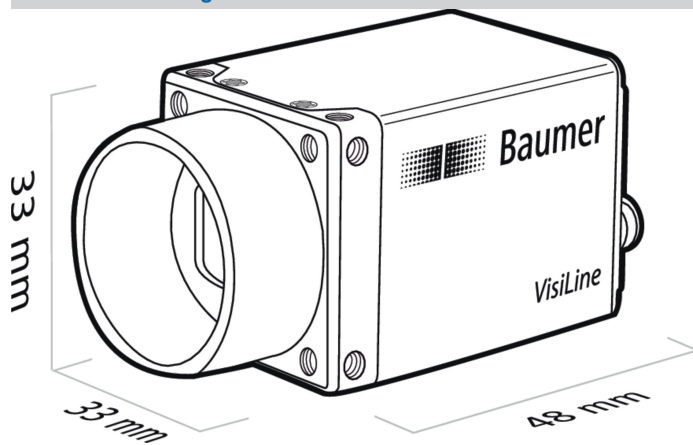
**electrical data**

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
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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**dimension drawing**



**environmental conditions**

operating temperature	+5 ... +50 °C
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 KC (MSIP-REI-BkR-VLG-03MCS) EAC
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