



sensor information	
sensor	Sony IMX287
resolution	720 × 540 px
exposure time	0,001 ... 60000 ms
pixel size	6.9 × 6.9 μm
shutter type	Global shutter
sensor type	1/2.9" CMOS
acquisition formats	
image formats, interface	Full Frame, 720 × 540 px, max. 318 fps
frame rate max.	Binning 2×2, 360 × 270 px, max. 436 fps Binning 2×1, 360 × 540 px, max. 436 fps Binning 1×2, 360 × 270 px, max. 436 fps
image formats, acquisition	Full Frame, 720 × 540 px, max. 441 fps
frame rate max. (Burst Mode)	
pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8
image preprocessing	
color models	Mono Raw Bayer RGB BGR
interfaces and connectors	
data interface	Gigabit Ethernet, Transfer rate 1000 Mbts/sec, Fast Ethernet, Transfer Rate 100 Mbts/sec, Connector: 8P8C Modular Jack (RJ45), screwable type

interfaces and connectors	
process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON-M8-L180)
power supply	M8 / 8 pins or PoE
mechanical data	
lens mount	C-mount
width	29 mm
height	29 mm
depth	49 mm
weight	≤ 120 g
material	zinc die casting, nickel-plated, IP 40
electrical data	
power consumption	approx. 2,3 W @ 12 VDC und 318 fps approx. 3,1 W @ 48 VDC (PoE) and 318 fps
non-volatile memory	
flash memory size	128 kB
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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**dimension drawing**

