



sensor information

sensor	Sony ICX445
resolution	1288 × 960 px
exposure time	0,004 ... 60000 ms
pixel size	3.75 × 3.75 µm
shutter type	Global shutter
sensor type	1/3" CCD

acquisition formats

image formats, interface	Full Frame, 1288 × 960 px, max. 42 fps
frame rate max.	
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

image preprocessing

analog controls	Gain (0 ... 29 dB) Offset (0 ... 1023 LSB 14 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer Rate 100 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	SACC-DSI-M8FS-3CON-M10-L180 SH
power supply	SACC-DSI-M 8MS-6CON-L180 SH

mechanical data

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

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 3,6 W @ 12 VDC and 42,0 fps approx. 3,8 W @ 48 VDC (PoE) and 42,0 fps

non-volatile memory

flash memory size	128 kB
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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 EAC
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VLG-12C

Gigabit Ethernet, 1,2 Megapixels, Color

Article number: 11099355

dimension drawing

