



sensor information

sensor	SONY ICX445
type	1/3" progressive scan CCD, Exview HAD technology
resolution	1288 × 960 px
exposure time	0,004 ... 60000 ms
pixel size	3.75 × 3.75 μm

acquisition formats

image formats, frame rate max.	Full Frame, 1288 x 960 px, max. 42.0 fps
pixel formats	Mono 8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

image pre-processing

analog controls	Gain (0 ... 26 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), screw lock type
process interface	SACC-DSI-M8FS-3CON-M10-L180 SH
power supply	SACC-DSI-M 8MS-6CON-L180 SH

mechanical data

material	aluminum, IP 40
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mechanical data

lens mount	C-mount
width	33 mm
height	33 mm
depth	48 mm
weight	≤ 90 g

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 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

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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dimension drawing

