

overview

- 656 × 490 px
- Sony ICX618
- 1/4" CCD
- 160 fps
- Gigabit Ethernet
- Phase-Out starting 09/19, alternative via sales



technical data

sensor information

sensor	Sony ICX618
resolution	656 × 490 px
exposure time	0,004 ... 60000 ms
pixel size	5.6 × 5.6 µm
shutter type	Global shutter
sensor type	1/4" CCD

acquisition formats

image formats, interface frame rate max.	Full Frame, 656 × 490 px, max. 160 fps
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

camera features

synchronization	free running trigger
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camera features

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
sequencer parameter	exposure time gain factor output line 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: SACC-CI-M12FS-8CON-L180-10G
process interface / power supply	SACC-CI-M12MS-8CON-SH TOR 32 / 8 pins

mechanical data

lens mount	C-mount
width	46 mm
height	46 mm
depth	49,8 mm

technical data

mechanical data

weight	≤ 185 g ≤ 220 g (incl. tube)
material	aluminum, IP 65 / 67

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 3,4 W @ 12 VDC and 160,0 fps approx. 3,7 W @ 48 VDC (PoE) and 160,0 fps

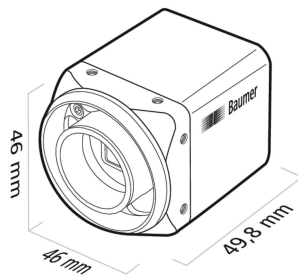
non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	+5 ... +50 °C
humidity	10 ... 90 % (non-condensing)

dimension drawing



environmental conditions

protection class	IP 40 IP 54 (with mounted tube and cable) IP 65 (with mounted tube and cable) IP 67 (with mounted tube and cable) IP 69K (with stainless steel housing accessory)
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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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