

overview

- 656 × 490 px
- Sony ICX414
- 1.2" CCD
- 93 fps
- Gigabit Ethernet
- Phase-Out starting 04/19, alternative via sales



technical data

sensor information

sensor	Sony ICX414
resolution	656 × 490 px
exposure time	0,004 ... 60000 ms
color filter	RGB Bayer Mosaic
pixel size	9.9 × 9.9 µm
shutter type	Global shutter
sensor type	1.2" CCD

acquisition formats

image formats, interface frame rate max.	Full Frame, 656 × 490 px, max. 93 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

image preprocessing

analog controls	Gain (0 ... 20 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
trigger sources	Hardware software ActionCommand
trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals
digital inputs	1 input line (with Debouncer)
digital outputs	1 output line
internal image buffer	32 MB

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 4 pins
power supply	M8 / 3 pins

mechanical data

lens mount	C-mount
width	36 mm
height	36 mm
depth	48 mm
weight	≤ 90 g
material	housing: aluminum

electrical data

voltage supply range +Vs	8 ... 30 V DC
power consumption	approx. 4,0 W

technical data

environmental conditions

operating temperature	+5 ... +50 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

conformity	CE
	RoHS
	FCC
	UL
	EAC

dimension drawing

