

overview

- 656 × 490 px
- Sony ICX424
- 1/3" CCD
- 90 fps
- Gigabit Ethernet
- Phase-Out starting 04/19, alternative via sales



technical data

sensor information		camera features	
sensor	Sony ICX424	synchronization	free running trigger
resolution	656 × 490 px	trigger sources	Hardware software ActionCommand
exposure time	0,004 ... 60000 ms	trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals
color filter	RGB Bayer Mosaic	digital inputs	3 input line (each with Debouncer)
pixel size	7.4 × 7.4 μm	digital outputs	3 output lines
shutter type	Global shutter	internal image buffer	32 MB
sensor type	1/3" CCD	interfaces and connectors	
acquisition formats		data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s, Connector: 8P8C Modular Jack (RJ45), screwable type
image formats, interface frame rate max.	Full Frame, 656 × 490 px, max. 90 fps Full Frame HQ, 656 × 490 px, max. 46 fps	process interface	M8 / 8 pins
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed	power supply	M8 / 3 pins
image preprocessing		mechanical data	
analog controls	Gain (0 ... 20 dB) Offset (0 ... 255 LSB 12 Bit)	lens mount	C-mount
color models	RGB YUV Mono	width	36 mm
color processing	Integrated color processor for high quality color calculation	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. 3,5 W

technical data

environmental conditions

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

digital I/Os

lines	3 input lines (each with Debouncer) 3 output lines
-------	---

output line sources	Exposure Active Readout Active User0 User1 User2 Timer1 TriggerReady TriggerOverlapped TriggerSkipped Off
---------------------	--

conformity

conformity	CE RoHS FCC
------------	-------------------

dimension drawing

