

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

sensor	Sony ICX424
resolution	656 × 490 px
exposure time	0,004 ... 60000 ms
color filter	RGB Bayer Mosaic
pixel size	7.4 × 7.4 µm
shutter type	Global shutter
sensor type	1/3" CCD

acquisition formats

image formats, interface frame rate max.	Full Frame, 656 × 490 px, max. 90 fps Full Frame HQ, 656 × 490 px, max. 46 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 ... 255 LSB 12 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	3 input line (each with Debouncer)
digital outputs	3 output lines
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 / 8 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. 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
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output line sources	Exposure Active Readout Active User0 User1 User2 Timer1 TriggerReady TriggerOverlapped TriggerSkipped Off
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conformity

conformity	CE RoHS FCC
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dimension drawing

