

overview

- 656 × 494 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 × 494 px
exposure time	0,004 ... 60000 ms
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 × 494 px, max. 90 fps Full Frame HQ, 656 × 494 px, max. 46 fps Binning 2×2 HQ, 328 × 247 px, max. 86 fps Binning 2×2, 328 × 247 px, max. 166 fps Binning 1×2 HQ, 656 × 247 px, max. 86 fps Binning 1×2, 656 × 247 px, max. 166 fps Binning 2×1 HQ, 328 × 494 px, max. 46 fps Binning 2×1, 328 × 494 px, max. 90 fps
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pixel formats	Mono8 Mono12 Mono12 Packed
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image preprocessing

analog controls	Gain (0 ... 20 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Mono

camera features

synchronization	free running trigger sequencer
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
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 Mb/secs, 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

technical data

mechanical data

material housing: aluminum

electrical data

voltage supply range +Vs 8 ... 30 V DC

power consumption approx. 3,5 W

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
EAC

dimension drawing

