

**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
pixel formats	Mono8 Mono12 Mono12 Packed

**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	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 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 4 pins
power supply	via 8P8C Modular Jack (RJ45)

**mechanical data**

lens mount	C-mount
width	36 mm
height	36 mm
depth	58 mm
weight	≤ 110 g

**technical data**

**mechanical data**

material housing: aluminum

**electrical data**

voltage supply range +Vs 36 ... 57 V DC

power consumption approx. 4,3 W

**environmental conditions**

operating temperature +5 ... +50 °C

humidity 10 ... 90 % (non-condensing)

**environmental conditions**

protection class IP 40

**conformity**

conformity CE  
RoHS  
FCC  
EAC

**dimension drawing**

