

**overview**

- 656 × 494 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 × 494 px
exposure time	0,004 ... 60000 ms
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 × 494 px, max. 93 fps Binning 2×2, 328 × 247 px, max. 176 fps Binning 1×2, 656 × 247 px, max. 176 fps Binning 2×1, 328 × 494 px, max. 93 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

**camera features**

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	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

**environmental conditions**

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

## technical data

### environmental conditions

protection class IP 40

### conformity

conformity CE  
RoHS  
FCC  
UL

## dimension drawing

