

**overview**

- 1296 × 960 px
- Sony ICX445
- 1/3" CCD
- 32 fps
- Gigabit Ethernet
- Phase-Out starting 04/19, alternative via sales



**technical data**

**sensor information**

sensor	Sony ICX445
resolution	1296 × 960 px
exposure time	0,004 ... 60000 ms
color filter	RGB Bayer Mosaic
pixel size	3.75 × 3.75 µm
shutter type	Global shutter
sensor type	1/3" CCD

**acquisition formats**

image formats, interface frame rate max.	Full Frame, 1296 × 960 px, max. 32 fps Full Frame HQ, 1296 × 960 px, max. 16 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 ... 1023 LSB 14 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	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 Mbits/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. 3,6 W

## technical data

### environmental conditions

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

### conformity

conformity	CE
	RoHS
	FCC
	UL
	EAC

## dimension drawing

