

**overview**

- 1624 × 1236 px
- Sony ICX274
- 1/1.8" CCD
- 16 fps
- Gigabit Ethernet
- Phase-Out starting 04/19, alternative via sales



**technical data**

**sensor information**

sensor	Sony ICX274
resolution	1624 × 1236 px
exposure time	0,004 ... 60000 ms
pixel size	4.4 × 4.4 µm
shutter type	Global shutter
sensor type	1/1.8" CCD

**acquisition formats**

image formats, interface frame rate max.	Full Frame, 1624 × 1236 px, max. 16 fps Full Frame HQ, 1624 × 1236 px, max. 8 fps Binning 2×2 HQ, 812 × 618 px, max. 15 fps Binning 2×2, 812 × 618 px, max. 29 fps Binning 1×2 HQ, 1624 × 618 px, max. 15 fps Binning 1×2, 1624 × 618 px, max. 29 fps Binning 2×1 HQ, 812 × 1236 px, max. 8 fps Binning 2×1, 812 × 1236 px, max. 16 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 Mbts/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

**technical data**

**mechanical data**

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)

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**

