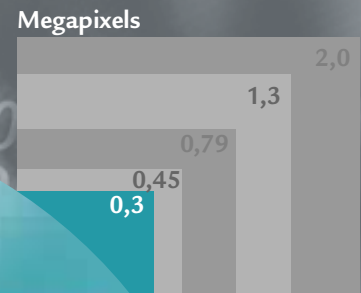


It's so easy uEye® 2310-M/C



USB2.0 CCD VGA Camera

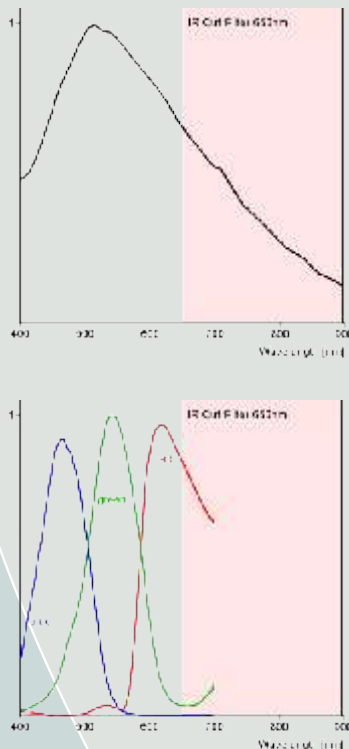
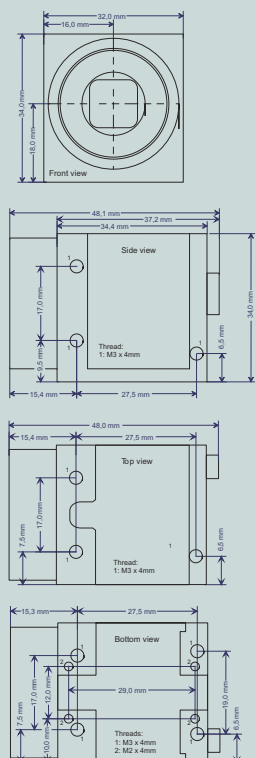
Monochrome and colour camera with 1/4" Sensor

Your Eye in Machine Vision

- 640 x 480 pixels (VGA)
- High quality SONY CCD sensor with square pixels
- Up to 75 f/s in full frame mode
- Digital output, universal trigger
- uEye SDK (compatible with FALCON SDK) and demo programs in scope of supply
- C-Mount
- Ultra small size and less weight: 34 x 32 x 34,4mm (HxWxD), 74g
- Camera control via USB 2.0
- Mini-B USB AND screwable Micro D-SUB connector for industrial use
- Driver and Interfaces: Windows and Linux SDK, Twain, Direct Show (WDM), ActiveX, ActivVisionTools, Common Vision Blox, HALCON and NeuroCheck
- OEM modules available



USB2.0 Camera



CAMERA SPECIFICATIONS	
	UI-2310-M/C
Resolution (pixels)	640x480
M - Modell (b/w)	yes
C - Modell (colour)	Bayer Pattern
Chiptype / chip size	1/4" / 4,65 mm
Cell size (HxV) in µm	5,6 x 5,6
Shutter	Global
Scanning System	Progressive Scan
Sensor Dynamic	--
Framerate (f/s)	75
Binning	vert.
Subsampling	vert.
AOI (Partial Scan)	hor & vert.
Mirror /Flip	vert.
Pixel Clock Frequency (Min/Max)	5/30 MHz
Shutter speed	40µs - 640ms
Gain monochrome model	Master
Gain colour modell	RGB + Master
Hardware Trigger	async
Lens mount	C-Mount
IR Filter	yes, removable
Interface	USB 2.0
Power supply	< 2 Watt
Operating temperature	0° - 50° Celsius
Regulations	CE, FCC Class B
Size (HxWxD) in mm	34 x 32 x 34,4
Weight	74 g



uEye Micro D-SUB connector Description

Pin	Assignment
1	Digital output -
2	Trigger Input +
3	Shield
4	USB +5V
5	USB GND
6	Digital output +
7	Trigger Input -
8	USB D+
9	USB D-

The uEye CMOS cameras are ultra compact cameras with USB 2.0 interface for industrial use. They are equipped with high quality sensors, industrial Design, C-Mount, a standard USB and additionally a screwable USB interfaces which offers also the digital output. Ready for professional use.

With it's USB 2.0 architecture, the cameras are ideally suited for use with PC, Notebook and Embedded Systems in image processing and factory automation.

The powerful -free of charge- uEye SDK and the yet available drivers and Interfaces for popular machine vision software allow e asy integration in applications. It's so easy!

AVAILABLE DRIVER AND INTERFACES

Windows 2000 und XP: uEye SDK, TWAIN, ActiveX, Direct Show (WDM), ActivVisionTools, Common Vision Blox, HALCON, NeuroCheck. Linux: uEye SDK

ACCESSORIES:

■ USB cable

■ Lenses

■ USB2.0 Interfaces

■ Software

