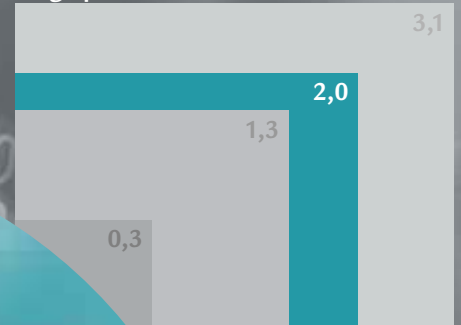


It's so easy

uEye® 1450-C

Mega pixels



# USB2.0 CMOS UXGA camera

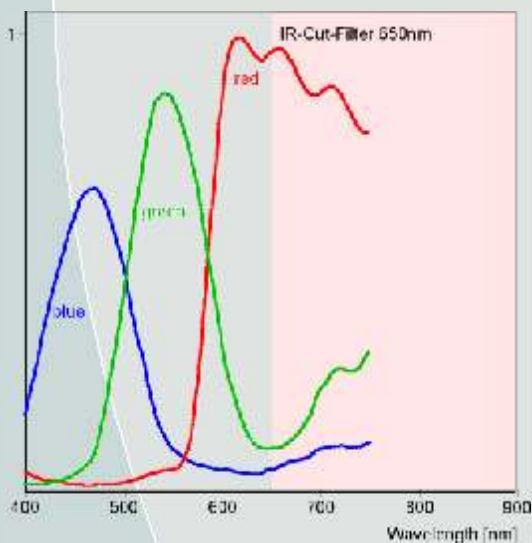
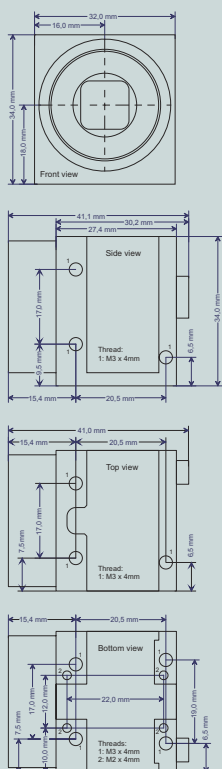
Colour with rolling shutter

Your Eye in Machine Vision

- 1600 x 1280 pixels (UXGA)
- High quality CMOS sensors with square pixels, Rolling Shutter
- Up to 18 frames/s in full frame mode, over 100 frames/s using Area of Interest (AOI)
- External, universal trigger input, digital flash strobe output
- uEye SDK (compatible to the FALCON SDK) and demo programs in scope of supply
- C-Mount
- Ultra small size and less weight: 34 x 32 x 27,4 mm (HxWxD), 62g
- 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-1450-M/C
Resolutions (pixels)	1600x1200
M - Model (b/w)	--
C - Model (colour)	Bayer RGB Pattern
Chip type / Chip size	1/2 Inch/8 mm
Cell size (HxV) in $\mu\text{m}$	4.2 x 4.2
Shutter	Rolling
Scanning System	Progressive Scan
Sensor dynamics	61 dB
Frames per second	18
Binning	
Subsampling	hor. & vert.
AOI	hor. & vert.
Pixel Clock Frequency (Min/Max)	8/43 Mhz
Shutter speed	45 $\mu\text{s}$ - 780ms
Hardware Gain	0-12dB
Hardware Trigger	asynchronous
Lens mount	C-Mount
IR filter	Yes, removable
Interface	USB 2.0
Power supply	< 2 Watts
Operating temperature	0° - 50° Celsius
Regulations	CE, FCC Class B
Size (HxWxD) in mm	34 x 32 x 27,4
Weight	62 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 trigger and 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

