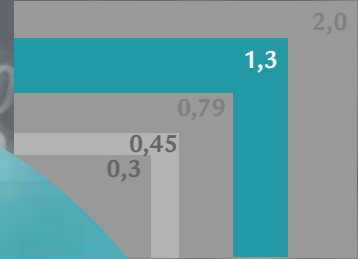


It's so easy

uEye® 2240-M/C



Megapixels



USB2.0 CCD SXGA Camera

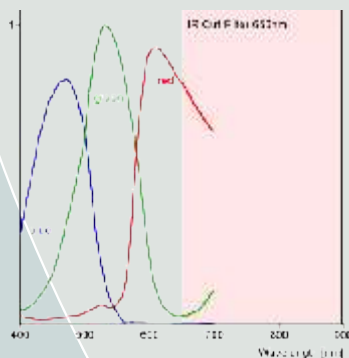
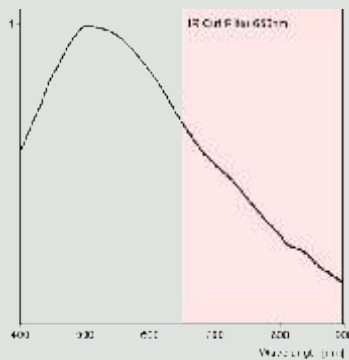
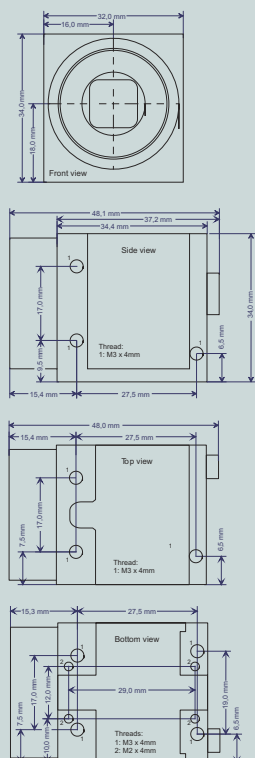
Monochrome and colour camera with 1/2" Sensor

Your Eye in Machine Vision

- 1280 x 1024 pixels (SXGA)
- High quality SONY CCD sensors with square pixels
- Up to 15 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), 75g
- 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-2240-M/C |
| Resolution (pixels) | 1280x1024 |
| M - Modell (b/w) | Yes |
| C - Modell (colour) | Bayer Pattern |
| Chiptype / chip size | 1/2" / 7,6 mm |
| Cell size (HxV) in µm | 4,65 x 4,65 |
| Shutter | Global |
| Scanning System | Progressive Scan |
| Sensor Dynamic | -- |
| Framerate (f/s) | 15 |
| Binning | vert. |
| Subsampling | -- |
| AOI (Partial Scan) | hor & vert. |
| Mirror /Flip | vert. |
| Pixel Clock Frequency (Min/Max) | 5/30 MHz |
| Shutter speed (freerun) | 80µs - 1460ms |
| 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 | < 1,5 Watt |
| Operating temperature | 0° - 50° Celsius |
| Regulations | CE, FCC Class B |
| Size (HxWxD) in mm | 34 x 32 x 34,4 |
| Weight | 75 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

