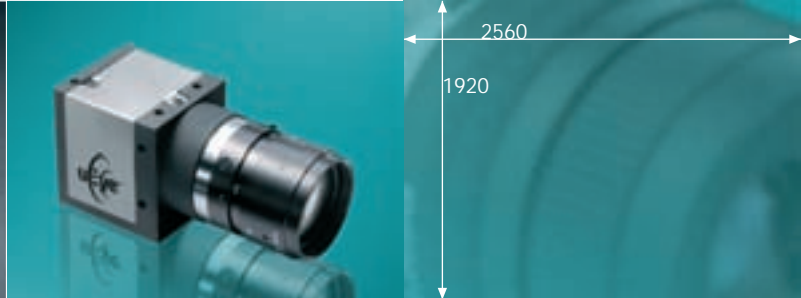




**iDS**



**USB uEye<sup>®</sup> UI-1480SE-C/M**

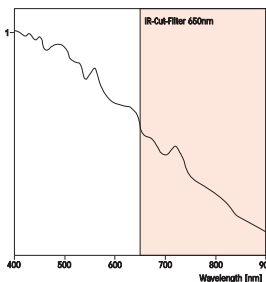
**5 Mega pixels QSXGA Camera with 1/2" CMOS Sensor**

# USB uEye® UI-1480SE-C/M

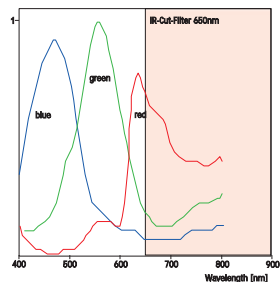


## The USB uEye® SE Family

The USB uEye® SE stands for a family of extremely compact, low-cost cameras for professional use in automation, quality assurance, security technology and non-industrial applications. Through the use of the widespread USB technology, the cameras can be interfaced with a vast variety of systems without any problems.



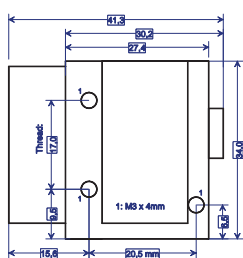
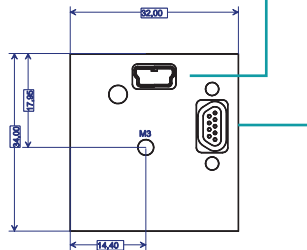
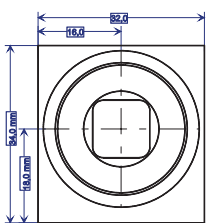
Sensor characteristics UI-1480SE-M



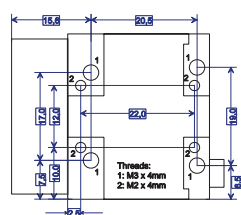
UI-1480SE-C

Screw-mounted Micro Sub-D connector for USB, Trigger and Digital-Out

Conventional USB Mini-B connector



Dimensions: uEye® CMOS models



## The characteristics at a glance

Interface	USB 2.0
Sensor Technology	CMOS
Model description (color)	UI-1480SE-C
Model description (Mono)	UI-1480SE-M
Resolution (h x v)	2560 x 1920
Resolution Category / Pixel Class	Q SXGA/5 MP
Sensor size	1/2"
Shutter	Rolling/Global Start
max. fps in Freerun Mode at full resolution	6,3 fps
max. fps in SW Trigger Mode at 1 ms exposure	6,3 fps
Exposuretime in Freerun Mode	75 µs - 2,7 s
Exposuretime in Trigger Mode	75 µs - 2,7 s
AOI Modes	H <sup>2</sup> + V <sup>2</sup>
AOI with 1920 x 1080 Pixels	13,5 fps
Subsampling Modes	H <sup>2</sup> + V <sup>2</sup>
Subsampling Factors	2x, 3x, 4x, 5x, 6x
Resolution, fps	1280 x 960, 25,4 fps 640 x 480, 100,6 fps
Binning Modes	H <sup>2</sup> + V <sup>2</sup> (color)
Binning Method	H: Summing V: Average
Binning Factors	2x, 3x, 4x, 6x
Mono: Maximum Gain	30x
Color: Maximum Gain RGB/Master	6,65x/12,1x
Additional Gain Boost with Factor	Color: 1,6x
Sensor Model	MT9P031
Pixelpitch in µm	2,2
Optical Size	5,63 x 4,22 mm
Aspect Ratio	4:3
Exact Real Diagonal	7,0 mm, 1/2,3"

### In scope of delivery:

- Powerful, easy to handle uEye SDK
- uEye Demo and Programexamples executable and Source Code.
- uEye Camera Manager
- TWAIN, Active-X and Direct Show (WDM) drivers
- Interfaces for Activision Tools, Common Vision Blox, HALCON, LabVIEW and Neurocheck
- GenICam™ Interface

Driver for Windows 2000, XP, VISTA and Linux

<sup>2</sup> = Use increases frame rate

