

1,3 Mega pixels SXGA Camera with 1/3" CMOS Sensor

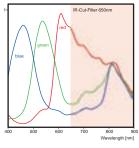
USB uEye® UI-1640SE-C





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.

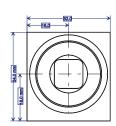


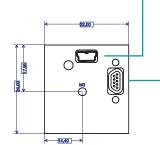
Sensor characteristics

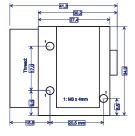
UI-1640SE-C

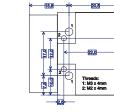
Screw-mounted Micro Sub-D connector. for USB, Trigger and Digital-Out

Conventional USB Mini-B connector_









Dimensions: uEye® CMOS models

Interface Sensor Technology Model description (color) Model description (Mono)

Resolution (h x v) Resolution Category / Pixel Class

Sensor size Shutter

max. fps in Freerun Mode at full resolution max. fps in SW Trigger Mode at 1 ms exposure

Exposuretime in Freerun Mode Exposuretime in Trigger Mode

AOI Modes AOI with 800 x 600 Pixels

Subsampling Modes Subsampling Factors Resolution, fps

Binning Modes Binning Method **Binning Factors** Resolution, fps

Mono: Maximum Gain Color: Maximum Gain RGB/Master Additional Gain Boost with Factor

Sensor Model

Pixelpitch in µm Optical Size **Aspect Ratio Exact Real Diagonal**

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 ActivVision Tools, Common Vision Blox, HALCON, LabVIEW and Neurocheck GenlCam™ Interface

Driver for Windows 2000, XP, VISTA and Linux

The characteristics at a glance

USB 2.0 CMOS UI-1640SE-C

1280 x 1024 **SXGA**

1/3" Rolling

25 fps

24,9 fps

37 µs - 10,1 s 37 µs - 10,1 s

 $H^2 + V^2$ 61 fps

 $H^2 + V^2$ 2x, 4x 640 x 480, 89 fps 320 x 240, 263 fps

3,1x/4,27x

MT9M131

3,6 4,61 x 3,69 mm

5,9 mm, 1/2,7"

² = Use increases frame rate

