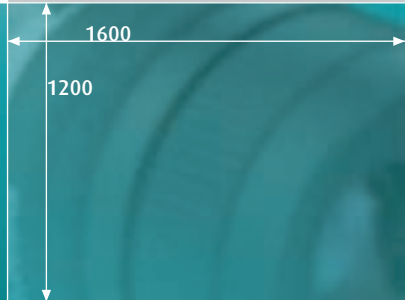




iDS



1600
1200

uEye[®] UI-2250-C/M

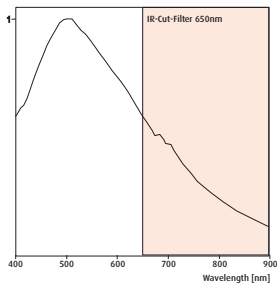
2 Mega pixels UXGA Camera with 1/1.8" CCD Sensor

uEye® UI-2250-M / UI-2250-C

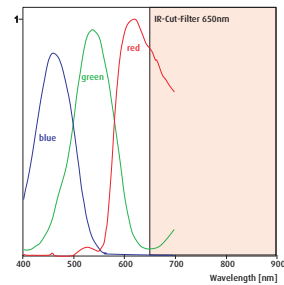


The uEye® Family

uEye® 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.



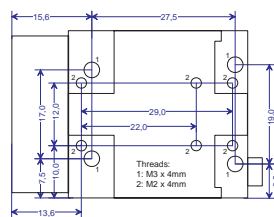
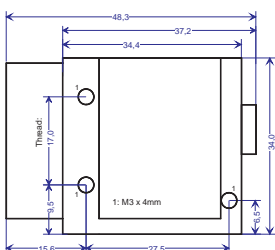
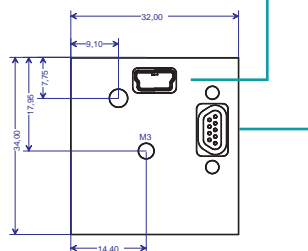
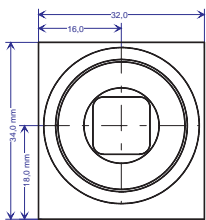
Sensor characteristics UI-2250-M



UI-2250-C

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

Conventional USB Mini-B connector



Dimensions: uEye® CCD models without memory.
The depth of the memory models housing is +7mm

The characteristics at a glance

Interface	USB 2.0
Sensor Technology	CCD (Sony)
Model description (color)	UI-2250-C
Model description (Mono)	UI-2250-M
Resolution (h x v)	1600 x 1200
Resolution Category / Pixel Class	UXGA / 2 MP
Sensor size	1/1.8"
Shutter	Global
max. fps in Freerun Mode at full resolution	12 fps
max. fps in SW Trigger Mode at 1 ms exposure	12 fps
Exposuretime in Freerun Mode	94 µs - 1,57 s
Exposuretime in Trigger Mode	94 µs - 5 s
AOI Modes	H + V ²
AOI with 320 x 240 Pixels (CIF)	47 fps
Subsampling Modes	V ² (Color)
Subsampling Factors	x2, x4
Resolution, fps	1600 x 600, 22 fps 1600 x 300, 37 fps
Binning Modes	V ² (Mono)
Binning Method	V: Sum
Binning Factors	x2, x4
Resolution, fps	1600 x 600, 22 fps 1600 x 300, 37 fps
Mono: Maximum Gain	13,7x
Farbe: Maximum Gain RGB/Master	4x /8,9x
Additional Gain Boost with Factor	2x (Mono)
Sensor Model	ICX274
Pixel Clock	5 - 30 MHz
Pixelpitch in µm	4,4
Full Well Capacity	9.000 e-
Optical Size	7,04 x 5,28 mm
Aspect Ratio	4:3
Exact Real Diagonal	8,8 mm, 1/1,8"
Current consumption at 5 V	230 - 340 mA

In scope of delivery:

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

Driver for Windows 2000, XP, VISTA
and Linux - WindowsCE on request

² = Use increases frame rate

