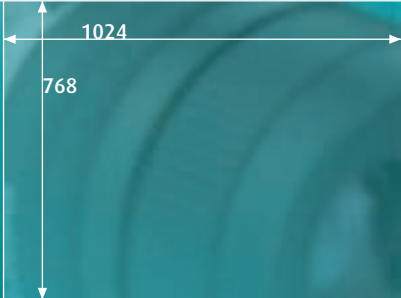




iDS



1024
768

uEye[®] UI-2230-C/M

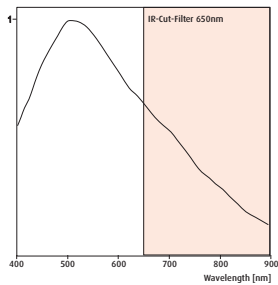
XGA Camera with 1/3" CCD Sensor

uEye® UI-2230-M / UI-2230-C

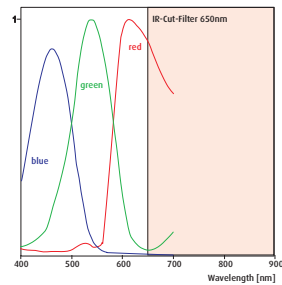


The uEye® Family

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.



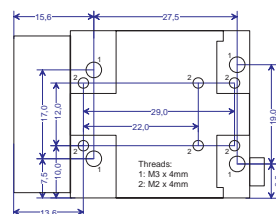
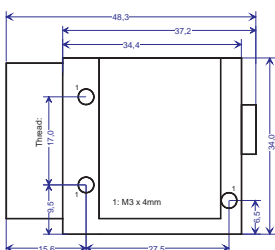
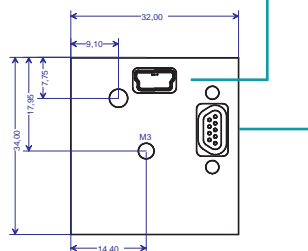
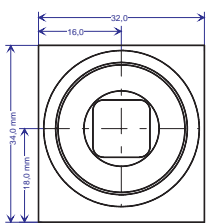
Sensor characteristics UI-2230-M



UI-2230-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-2230-C
Model description (Mono)	UI-2230-M
Resolution (h x v)	1024 x 768
Resolution Category / Pixel Class	XGA
Sensor size	1/3"
Shutter	Global
max. fps in Freerun Mode at full resolution	30 fps
max. fps in SW Trigger Mode at 1 ms exposure	27 fps
Exposuretime in Freerun Mode	66 µs - 1 s
Exposuretime in Trigger Mode	66 µs - 10 min
AOI Modes	H + V ²
AOI with 320 x 240 Pixels (CIF)	78 fps
Subsampling Modes	-
Subsampling Factors	-
Resolution, fps	-
Binning Modes	V ² (Mono)
Binning Method	V: Sum
Binning Factors	x2, x4
Resolution, fps	1024 x 384, 53 fps 1024 x 192, 85 fps
Mono: Maximum Gain	10,4x
Farbe: Maximum Gain RGB/Master	4x /7,5x
Additional Gain Boost with Factor	2x (Mono)
Sensor Model	ICX204
Pixel Clock	5 - 30 MHz
Pixelpitch in µm	4,65
Full Well Capacity	12.000 e-
Optical Size	4,76 x 3,57 mm
Aspect Ratio	4:3
Exact Real Diagonal	6,0 mm, 1/2,7"
Current consumption at 5 V	150 - 230 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

