

adept electronic

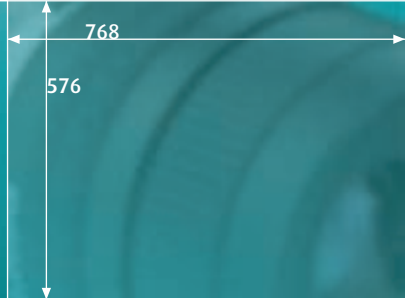
adept
electronic solutions

**The Machine Vision and
Imaging Specialists**

Perth: +61 (08) 9242 5411
Sydney: +61 (02) 9979 2599
Melbourne: +61 (03) 9555 5621
Email: adept@adept.net.au
Web: <http://www.adept.net.au>



iDS



uEye[®] UI-2220-C/M

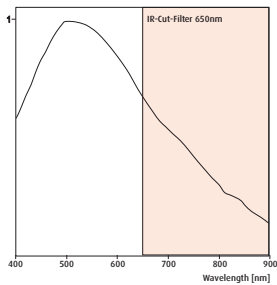
CCIR Camera with 1/2" CCD Sensor

uEye® UI-2220-M / UI-2220-C

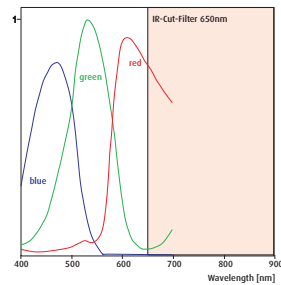


The uEye® Family

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.



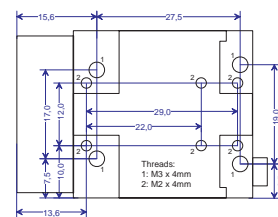
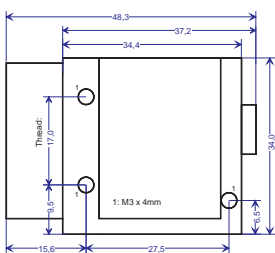
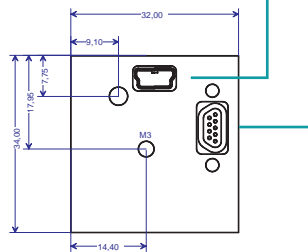
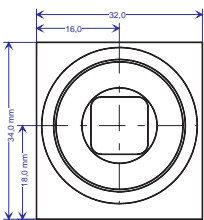
Sensor characteristics UI-2220-M



UI-2220-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-2220-C
Model description (Mono)	UI-2220-M
Resolution (h x v)	768 x 576
Resolution Category / Pixel Class	CCIR
Sensor size	1/2"
Shutter	Global
max. fps in Freerun Mode at full resolution	52 fps
max. fps in SW Trigger Mode at 1 ms exposure	47 fps
Exposuretime in Freerun Mode	50 µs - 770 ms
Exposuretime in Trigger Mode	50 µs - 10 min
AOI Modes	H + V ²
AOI with 320 x 240 Pixels (CIF)	97 fps
Subsampling Modes	-
Subsampling Factors	-
Resolution, fps	-
Binning Modes	V ² (Mono)
Binning Method	V: Sum
Binning Factors	x2, x4
Resolution, fps	768 x 288, 90 fps 768 x 144, 143 fps
Mono: Maximum Gain	14x
Farbe: Maximum Gain RGB/Master	4x /8,9x
Additional Gain Boost with Factor	2x (Mono)
Sensor Model	ICX415
Pixel Clock	5 - 30 MHz
Pixelpitch in µm	8,3
Full Well Capacity	25,000 e-
Optical Size	6,37 x 4,78 mm
Aspect Ratio	4:3
Exact Real Diagonal	8,0 mm, 1/2,0"
Current consumption at 5 V	170 - 250 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

