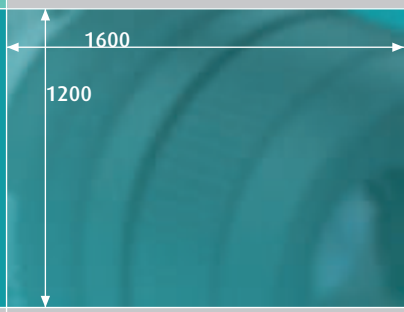


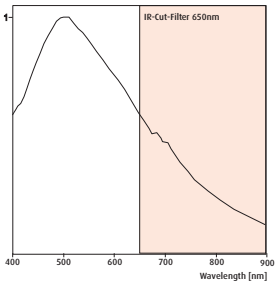
GigE uEye® UI-6250SE-C/M

2 Megapixels UXGA Camera with 1/1.8″ CCD Sensor

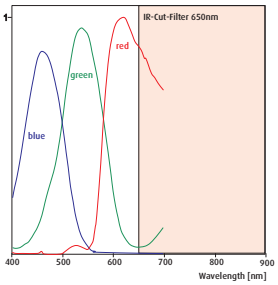
GigE uEye® SE
UI-6250SE-M / UI-6250SE-C

The GigE uEye® SE family

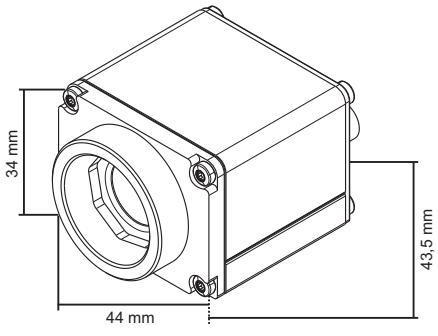
The GigE uEye® SE extends the broad range of uEye® industrial cameras by very compact models with Gigabit Ethernet interface, specially tailored to the needs of plant and machinery manufacturers. The bandwidth is 2.5 times higher than with USB and cable lengths up to 100 m are possible.



Sensor Characteristics UI 6250SE-M



UI-6250SE-C



Dimensions GigE uEye SE CCD-Model

Interface	Gigabit Ethernet
Sensor Technology	CCD (Sony)
Model description (color)	UI-6250SE-C
Model description (Mono)	UI-6250SE-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	12,5 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 + V²
AOI with 320 x 240 Pixels (CIF)	47 fps
Subsampling Modes	V² (2x: Color)
Subsampling Factors	x2, x4
Resolution, fps	800 x 600, 24 fps 400 x 300, 43 fps
Binning Modes	H + V² (Mono)
Binning Method	H + V: Sum
Binning Factors	x2, x3, x4
Resolution, fps	800 x 600, 24 fps 532 x 300, 34 fps 600 x 300, 43 fps
Mono: Maximum Gain	13,78x
Color: 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"

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
GenICam™ Interface

Driver for Windows 2000, XP, VISTA and Linux*

The characteristics at a glance

² = Use increases frame rate

* = in preparation

GEN<i>CAM
TRANSPORT LAYER