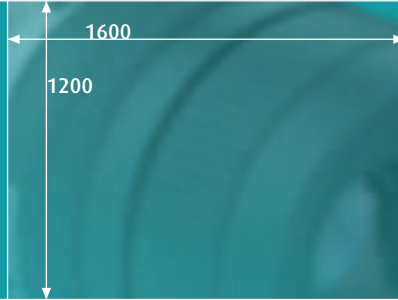


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iDS



GigE uEye[®] UI-5550SE-C

2 Megapixels UXGA Camera with 1/3" CMOS Sensor

GigE uEye® SE UI-5550SE-C



The characteristics at a glance

Gigabit Ethernet
CMOS
UI-5550SE-C
-

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

Resolution (h x v)
Resolution Category / Pixel Class

1600 x 1200
UXGA

Sensor size
Shutter

1/3"
Rolling

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

19 fps
16,5 fps

Exposuretime in Freerun Mode
Exposuretime in Trigger Mode

36 µs - 21,4 s
36 µs - 21,4 s

AOI Modes
AOI with 640 x 480 Pixels

H² + V²
92 fps

Subsampling Modes
Subsampling Factors
Resolution, fps, e.g.

H² + V²
x2, x4, x8, x16
800 x 600, 71 fps
400 x 300, 231 fps

Binning Modes
Binning Method

H² + V²
H + V: Average

Binning Factors
Resolution, fps

x2
800 x 600, 60 fps

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

-
3,1x/3,5x
2x

Sensor Model
Pixel Clock

MT9D131
3 - 45 (55) MHz

Pixelpitch in µm
Full Well Capacity
Optical Size
Aspect Ratio
Exact Real Diagonal

2,8
15.000 e-
4,48 x 3,36 mm
4:3
5,6 mm, 1/2,9"

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 Activision Tools,
Common Vision Blox, HALCON,
LabVIEW and Neurocheck
GenICam™ Interface

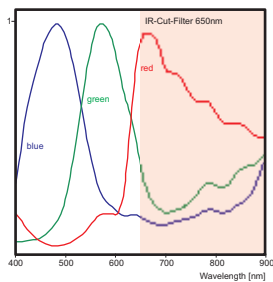
² = Use increases frame rate
* = in preparation

Driver for Windows 2000, XP, VISTA
and Linux*



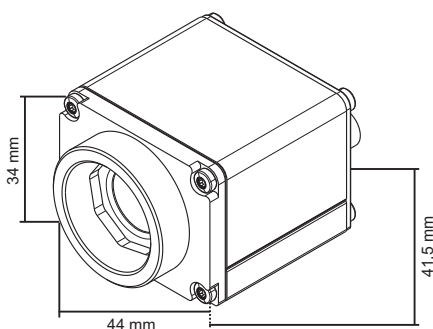
The GigE uEye® SE family

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-5550SE-C



Dimensions GigE uEye SE CMOS-Model