iDS

752

480

GigE uEye® UI-5220SE-C/M

WVGA Camera with 1/3" CMOS Global Shutter Sensor
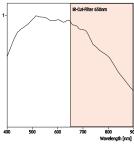
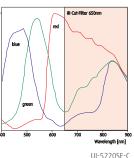# GigE uEye® SE
UI-5220SE-M / UI-5220SE-C

uEye®
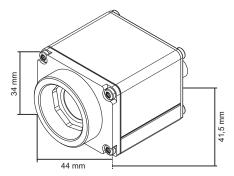
The GigE uEye® SE family

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-5220SE-M   UI-5220SE-C

Dimensions GigE uEye SE CMOS-Model

The characteristics at a glance

Interface	Gigabit Ethernet
Sensor Technology	CMOS
Model description (color)	UI-5220SE-C
Model description (Mono)	UI-5220SE-M
Resolution (h x v)	752 x 480
Resolution Category / Pixel Class	WVGA
Sensor size	1/3"
Shutter	Global
max. fps in Freerun Mode at full resolution	91,5 fps
max. fps in SW Trigger Mode at 1 ms exposure	60 fps
Exposuretime in Freerun Mode	76 µs - 5,5 s
Exposuretime in Trigger Mode	76 µs - 5,5 s
AOI Modes	$H^2 + V^2$
AOI with 640 x 480 Pixels	211 fps
Subsampling Modes	H + V
Subsampling Factors	x2, x4
Resolution, fps	376 x 240, 91 fps
	188 x 120, 91 fps
Binning Modes	$H^2 + V^2$ (Mono)
Binning Method	H + V: Average
	x2, x4
Binning Factors	376 x 240, 234 fps
Resolution, fps	188 x 120, 400 fps
Mono: Maximum Gain	4x
Color: Maximum Gain RGB/Master	5x (SW)/4x
Additional Gain Boost with Factor	1,6x
Sensor Model	MT9V022
Pixel Clock	5 - 42 (59) MHz
Pixelpitch in µm	6,0
Full Well Capacity	30.000 e-
Optical Size	4,51 x 2,88 mm
Aspect Ratio	14:9
Exact Real Diagonal	5,4 mm, 1/3,0"

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*

^{2} = Use increases frame rate

* = in preparation

GEN<i>CAM
T R A N S P O R T   L A Y E R