Imaging Development Systems

ADEPT TURNKEY

The Machine Vision and Imaging Specialists
Perth: +61 (08) 9242 5411 Sydney: +61 (02) 9979 2599
Melbourne: +61 (03) 9350 7377

Email: adept@adept.net.au
Web: http//www.adept.net.au

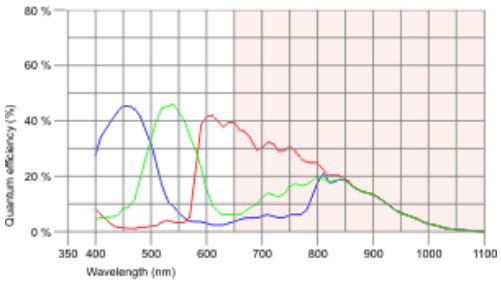
GigE UI-5242LE

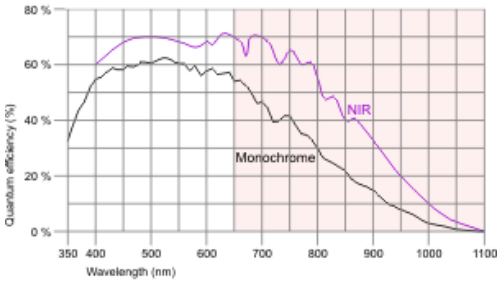
The UI-5242LE is a very compact board-level camera (45x45x15.1 mm). The camera UI-5242LE offers great flexibility thanks to its GigE interface and hence a cable length of up to 100 metres.
Power (12-24 V) is supplied by an external pus either via a 2-pole marshaling panel or a10-pole connector, which also offers trigger-in, flash-out and 2GPIOs. Additionally the camera features two status LED.
The models UI-5241LE are equipped with a M12 lens holder, in contrast to models UI-5242LE, which are supplied without a lens holder.
The high perfomance 1.3 megapixel sensor from e2v offers exceptionally performance and crystal-clear images, even in critical lighting conditions. These camera models incorporate the monochrome/color sensors EV76C560BB/ EV76C560BC from e2v.

Specification

The characteristics at a glance

Interface	GigE
Lens Mount	S-Mount
Sensor Technology	CMOS (e2v)
Model Description (color)	UI-5242LE-C
Model Description (mono)	UI-5242LE-M
Resolution (h x v)	1280 x 1024
Resolution Depth	12bit (10bit ADC)
Resolution Category / Pixel Class	1.3 Megapixel
Sensor Size	1/1.8"
Shutter	Global
max. fps in Freerun Mode	50 fps
Exposure Time in Freerun Mode	9µs - 2000ms
Exposure Time in Trigger Mode	9µs - 2000ms
AOI Modes	horizontal + vertical
Binning Modes	horizontal + vertical
Subsampling Modes	scaler
I/O - Strobe	1
I/O - Trigger	1
I/O - RS-232	-
I/O - GPIO	2
I/O - I2C	
HDR (High Dynamic Range)	-
Sensor Model (m/c)	EV76C560BB / EV76C560BC
Pixelpitch in µm	5.30
Optical Size	6.784 x 5.427 mm
Dimensions H/W/L	45.00 mm, 45.00 mm, 15.10 mm
Mass	10.00 g
Power Supply	12 - 24 V





IDS Imaging Development Systems GmbH
Dimbacher Straße 6 - 8 · 74182 Obersulm · Phone 07134 - 96196-0 · Fax 07134 - 96196-99 · E-Mail info@ids-imaging.de

www.adept.net.au