

GigE UI-5242LE-NIR

The UI-5242LE-NIR is a very compact board-level camera (45x45x15.1 mm). The camera UI-5242LE-NIR 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 bus either via a 2-pole marshaling panel or a 10-pole connector, which also offers trigger-in, flash-out and 2GPIOs. Additionally the camera features two status LEDs.

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 1.3 Megapixel NIR sensor from e2v offers an exceptional performance in the near infrared range (40 % at 850 nm) and a maximum QE of 70%.

Available from Q3/4 2012<p>This camera model incorporates the monochrome sensor EV76C661ABT from e2v.</p>



Specification

The characteristics at a glance

| | |
|-----------------------------------|------------------------------|
| Interface | GigE |
| Lens Mount | S-Mount |
| Sensor Technology | CMOS (e2v) |
| Model Description (color) | --- |
| Model Description (mono) | UI-5242LE-NIR |
| 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) | EV76C661ABT / - |
| Pixelpitch in µm | 5.30 |
| Optical Size | 6.784 x 5.247 mm |
| Dimensions H/W/L | 45.00 mm, 45.00 mm, 15.10 mm |
| Mass | 10.00 g |
| Power Supply | 12 - 24 V |

