

USB 2 UI-1240SE-NIR

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%. Both digital I/Os for trigger and flash control are opto-coupled and accept signals with up to 30 V. A variety of cable types with robust, lockable connectors complements the model range. With its compact metal housing and M3 mounting holes the UI-1240SE-NIR is ideally suited for use in automation and quality inspection. For OEMs we offer versions without housing and front flange on request. Available from Q3/4 2012<p>This camera model incorporates the monochrome sensor EV76C661ABT from e2v.</p>



Specification

The characteristics at a glance

Interface	USB 2
Lens Mount	C-Mount
Sensor Technology	CMOS (e2v)
Model Description (color)	---
Model Description (mono)	UI-1240SE-NIR
Resolution (h x v)	1280 x 1024
Resolution Depth	8bit (10bit ADC)
Resolution Category / Pixel Class	1.3 Megapixel
Sensor Size	1/1.8"
Shutter	Global
max. fps in Freerun Mode	25 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	-
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
Protection Classes	IP30
Dimensions H/W/L	34.00 mm, 32.00 mm, 27.40 mm
Mass	62.00 g
Power Supply	USB

