

USB UI-1240SE

The UI-1240SE is an ideal all-round camera with USB 2.0 interface and e2v CMOS sensor in 1.3 Megapixel resolution (1280x1024 pixels). The e2v sensor combines the features and advantages of CCD and CMOS with its extremely high sensitivity, an unrivalled level of CMOS sensor color fidelity and the global shutter functionality. 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 is ideally suited for use in automation and quality inspection. For OEMs we offer versions without housing and front flange on request.



Specification

The characteristics at a glance

Interface	USB
Lens Mount	C-Mount
Sensor Technology	CMOS (e2v)
Model Description (color)	UI-1240SE-C
Model Description (mono)	UI-1240SE-M
Resolution (h x v)	1280 x 1024
Resolution Depth	8bit (10bit ADC)
Resolution Category / Pixel Class	1.3 Megapixel
Sensor Size	1/2"
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	---
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)	EV76C560BB / EV76C560BC
Pixelpitch in µm	5.30
Optical Size	6.784 x 5.427 mm
Protection Classes	IP30
Dimensions H/W/L	34.00 mm, 32.00 mm, 27.40 mm
Mass	62.00 g
Power Supply	USB