

## USB UI-1240RE

The UI-1240RE is a USB 2.0 camera with 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. Its extremely rugged housing meets the IP65 / IP67 protection classes when used together with an optional lens tube. The digital I/Os for trigger and flash control (opto-coupled, up to 30 V) as well as the USB port are interfaced with splash water proof connectors.



## Specification

### The characteristics at a glance

Interface	USB
Lens Mount	C-Mount
Sensor Technology	CMOS (e2v)
Model Description (color)	UI-1240RE-C
Model Description (mono)	UI-1240RE-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	IP65/67
Dimensions H/W/L	41.00 mm, 41.00 mm, 40.50 mm
Mass	145.00 g
Power Supply	USB