

GigE UI-5240HE

The UI-5240HE is a high-performance GigE camera with large functional range. Image data from the e2v CMOS sensor in 1.3 Megapixel resolution (1280x1024 pixels) is output with up to 12 bits per channel. 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. An internal FPGA with 64 MB image memory offers additional features and ensures fast and reliable data transfer. Besides the lockable GigE port, the UI-5240HE comes with a multi-I/O-interface including 4 digital in-/outputs and an RS232 interface.



Specification

The characteristics at a glance

Interface	GigE
Lens Mount	C-Mount
Sensor Technology	CMOS (e2v)
Model Description (color)	UI-5240HE-C
Model Description (mono)	UI-5240HE-M
Resolution (h x v)	1280 x 1024
Resolution Depth	10bit (10bit ADC)
Resolution Category / Pixel Class	1.3 Megapixel
Sensor Size	1/2"
Shutter	Global
max. fps in Freerun Mode	60 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	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
Protection Classes	IP30
Dimensions H/W/L	38.00 mm, 38.00 mm, 89.50 mm
Mass	170.00 g
Power Supply	6 - 24 V