

## UI-1240LE-M-HQ (AB.0010.1.47900.24)

In series

The model is in series and available for the long term.

















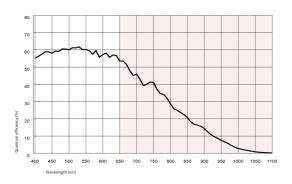


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Please note: The technical data given here was measured using the IDS Software Suite.

## Specification

#### Sensor

Shutter Global Shutter / Rolling shutter / Global Start Shutter Sensor characteristic Linear Readout mode Progressive scan Pixel Class 1.3 MP Resolution 1.31 Mpix Resolution (h x v) 1280 x 1024 Pixel Aspect ratio 5:4 ADC 10 bit Color depth (camera) 8 bit Optical sensor class 1/11.8"" Optical Size 6.784 mm x 5.427 mm Optical sensor diagonal 8.69 mm (1/1.84") Pixel size 5.3 µm Manufacturer e2v Sensor Model EV76C560ABT Gain (master/RGB) 4x/- AOI horizontal same frame rate AOI vertical increased frame rate AOI vertical increased frame rate AOI mage width / step width 4 / 2 AOI position grid (horizontal/vertical) 2 / 2 Binning horizontal same frame rate Binning vertical same frame rate Binning method M/C automatic Binning factor 2 Subsampling horizontal Subsampling method - Subsampling method - Subsampling method Subsampling factor -	Sensor type	CMOS Mono
Readout mode Progressive scan  Pixel Class 1.3 MP  Resolution 1.31 Mpix  Resolution (h x v) 1280 x 1024 Pixel  Aspect ratio 5:4  ADC 10 bit  Color depth (camera) 8 bit  Optical sensor class 1/1.8""  Optical Size 6.784 mm x 5.427 mm  Optical sensor diagonal 8.69 mm (1/1.84")  Pixel size 5.3 µm  Manufacturer e2v  Sensor Model EV76C560ABT  Gain (master/RGB) 4x/-  AOI horizontal same frame rate  AOI vertical increased frame rate  AOI image width / step width 4 / 2  AOI position grid (horizontal/vertical) 2 / 2  Binning horizontal same frame rate  Binning vertical same frame rate  Binning vertical same frame rate  Binning method M/C automatic  Binning factor 2  Subsampling horizontal  Subsampling vertical -  Subsampling method -	Shutter	Global Shutter / Rolling shutter / Global Start Shutter
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Resolution (h x v)  Aspect ratio  5:4  ADC  10 bit  Color depth (camera)  Optical sensor class  1/1.8""  Optical Size  6.784 mm x 5.427 mm  Optical sensor diagonal  8.69 mm (1/1.84")  Pixel size  5.3 µm  Manufacturer  e2v  Sensor Model  EV76C560ABT  Gain (master/RGB)  4x/-  AOI horizontal  same frame rate  AOI vertical  increased frame rate  AOI image width / step width  AOI image height / step width  4 / 2  AOI position grid (horizontal/vertical)  Binning horizontal  same frame rate  Binning wertical  Binning method  M/C automatic  Binning factor  2  Subsampling horizontal  -  Subsampling method  -	Pixel Class	1.3 MP
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Subsampling horizontal - Subsampling vertical - Subsampling method -	Binning method	M/C automatic
Subsampling vertical - Subsampling method -	Binning factor	2
Subsampling method -	Subsampling horizontal	-
	Subsampling vertical	-
Subsampling factor -	Subsampling method	-
	Subsampling factor	-



Subject to technical modifications (2024-04-17)



# UI-1240LE-M-HQ (AB.0010.1.47900.24)

#### Model

Pixel clock range	7 MHz - 35 MHz
Frame rate freerun mode	25
Frame rate trigger (maximum)	24
Exposure time (minimum - maximum)	0.009 ms - 2000 ms
Power consumption	0.3 W - 0.7 W
Special features	Linescan mode, Scaler, Sequencer, Log mode, Sensor hot pixel correction, Fine exposure, Multi-AOI

#### Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.

Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 80 °C / -4 °F - 176 °F
Humidity (relative, non-condensing)	20 % - 80 %

#### Connectors

Interface connector	USB 2.0 mini-B
I/O connector	-
Power supply	USB cable

### Design

Lens Mount	CS- / C-Mount
IP code	IP30
Dimensions H/W/L	48.6 mm x 44.0 mm x 25.6 mm
Mass	41 g