# UI-1240SE-M-HQ (AB.0010.1.46500.24)

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

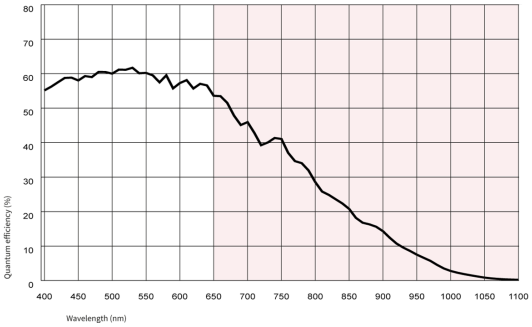


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. Learn about the process here and switch now.
Please note: The technical data given here was measured using the IDS Software Suite.

## Specification

### Sensor

| | |
|---|---|
| Sensor type | CMOS Mono |
| 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 | 1/1.8"" |
| 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 | 16 / 4 |
| AOI image height / 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 vertical | - |
| Subsampling method | - |
| Subsampling factor | - |




Subject to technical modifications (2024-03-29)



IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com

## 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,<br>Scaler,<br>Sequencer,<br>Log mode,<br>Sensor hot pixel correction,<br>Fine exposure,<br>Multi-AOI |

## Ambient conditions

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

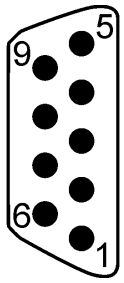
| | |
|---|---|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F |
| Device temperature during storage | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (relative, non-condensing) | 20 % - 80 % |

## Connectors

| | |
|---|---|
| Interface connector | USB 2.0 mini-B, screwable |
| I/O connector | 9-pin micro D-Sub socket (MPE Garry 11-0021-50-09L) |
| Power supply | USB cable |

## Pin assignment I/O connector

| | |
|---|---|
| 1 | Flash output with optocoupler (-) |
| 2 | Trigger input with optocoupler (+) |
| 3 | Shielding |
| 4 | USB Power supply (VCC) 5 V |
| 5 | USB Ground (GND) |
| 6 | Flash output with optocoupler (+) |
| 7 | Trigger input with optocoupler (-) |
| 8 | USB data (+) |
| 9 | USB data (-) |



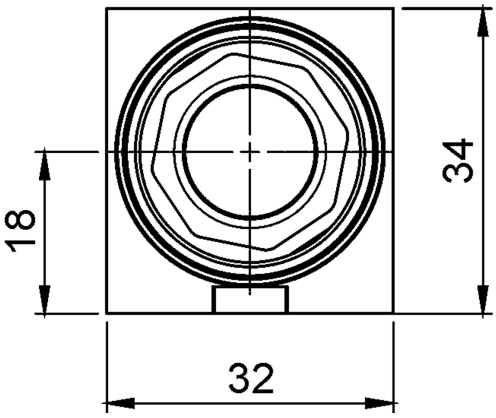

Camera rear view

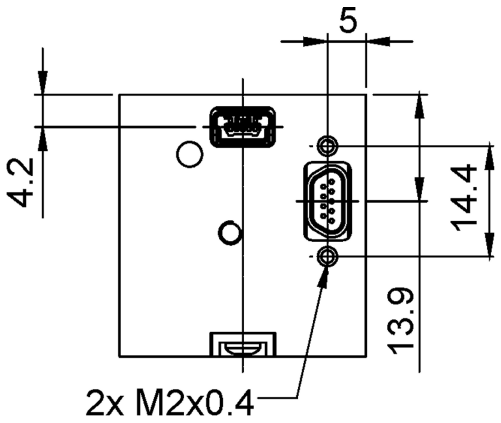
## Design

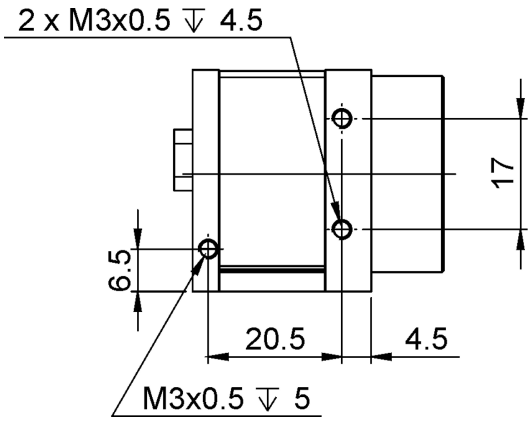
| | |
|---|---|
| Lens Mount | C-Mount |
| IP code | IP30 |
| Dimensions H/W/L | 34.0 mm x 32.0 mm x 41.3 mm |
| Mass | 65 g |

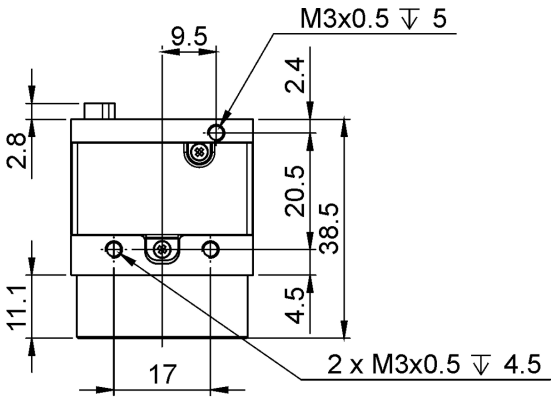


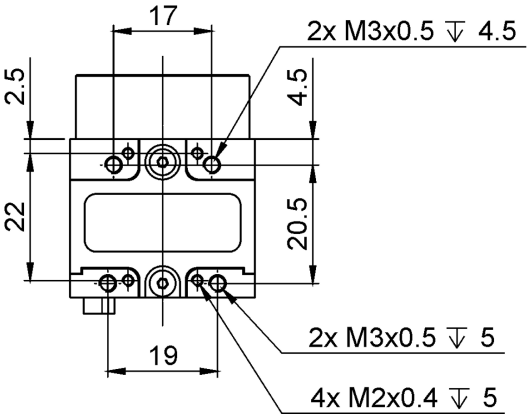
IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com





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