# UI-5550RE-C-HQ PoE Rev.2 (AB00309)

**Discontinued**
The model has been discontinued.



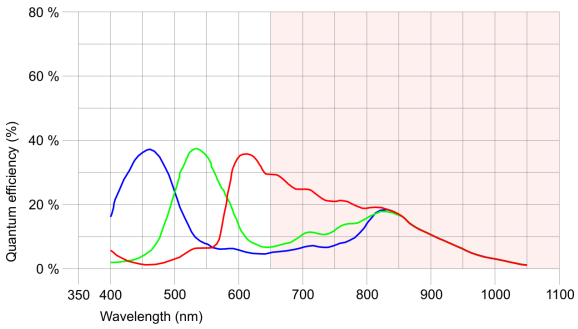


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. Learn about the process here and switch now.
Please note: The technical data given here was measured using the IDS Software Suite.

## Specification

### Sensor

| | |
|---|---|
| Sensor type | CMOS Color |
| Shutter | Rolling shutter |
| Sensor characteristic | Linear |
| Readout mode | Progressive scan |
| Pixel Class | 1.9 MP |
| Resolution | 1.92 Mpix |
| Resolution (h x v) | 1600 x 1200 Pixel |
| Aspect ratio | 4:3 |
| ADC | 8 bit |
| Color depth (camera) | 12 bit |
| Optical sensor class | 1/3"" |
| Optical Size | 4.480 mm x 3.360 mm |
| Optical sensor diagonal | 5.6 mm (1/2.86") |
| Pixel size | 2.8 µm |
| Manufacturer | Onsemi |
| Sensor Model | MT9D131STC |
| Gain (master/RGB) | 5.8x/3.1x |
| AOI horizontal | increased frame rate |
| AOI vertical | increased frame rate |
| AOI image width / step width | 32 / 4 |
| AOI image height / step width | 4 / 2 |
| AOI position grid (horizontal/vertical) | 4 / 2 |
| Binning horizontal | increased frame rate |
| Binning vertical | increased frame rate |
| Binning method | Color |
| Binning factor | 2 |
| Subsampling horizontal | increased frame rate |
| Subsampling vertical | increased frame rate |
| Subsampling method | Color |
| Subsampling factor | 2, 4, 8, 16 |




Subject to technical modifications (2024-03-28)



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## Model

| | |
|---|---|
| Pixel clock range | 3 MHz - 56 MHz |
| Frame rate freerun mode | 23 |
| Frame rate trigger (maximum) | 23 |
| Exposure time (minimum - maximum) | 0.029 ms - 21376 ms |
| Power consumption | 2.4 W - 3.4 W |
| Image memory | 64 MB |

## Ambient conditions

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

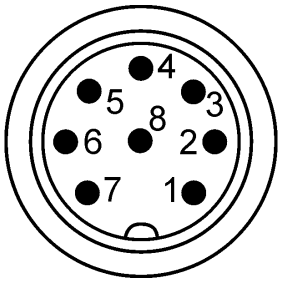
| | |
|---|---|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F |
| Device temperature during storage | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (relative, non-condensing) | 0 % - 100 % |

## Connectors

| | |
|---|---|
| Interface connector | GigE M12, screwable |
| I/O connector | 8-pin Binder connector (Binder series 712: 09-0427-020-08) |
| Power supply | 12 V - 24 V or PoE |

## Pin assignment I/O connector

| | |
|---|---|
| 1 | Trigger input with optocoupler (+) |
| 2 | Input power supply (VCC) 12-24 V DC |
| 3 | General Purpose I/O (GPIO) 1 |
| 4 | Ground (GND) |
| 5 | Flash output with optocoupler (+) |
| 6 | Flash output with optocoupler (-) |
| 7 | Trigger input with optocoupler (-) |
| 8 | General Purpose I/O (GPIO) 2 |



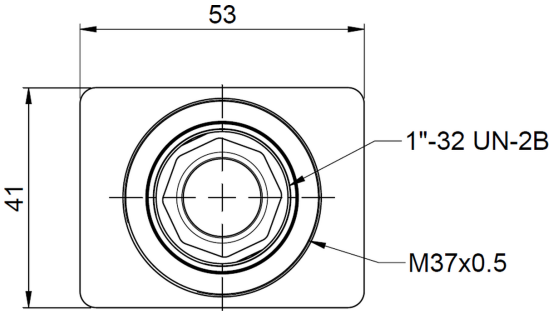

Camera rear view

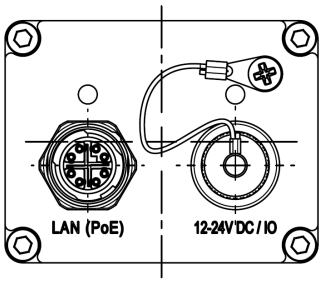
## Design

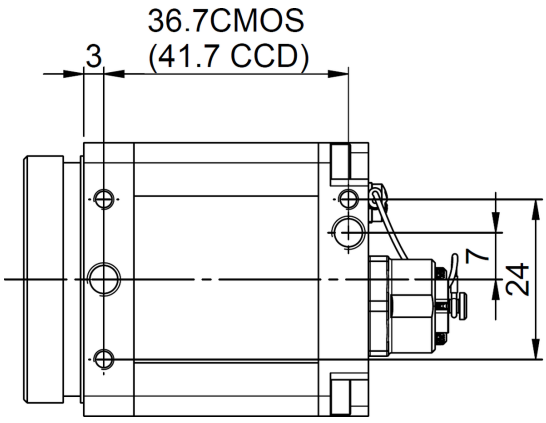
| | |
|---|---|
| Lens Mount | C-Mount |
| IP code | IP65/67 |
| Dimensions H/W/L | 41.0 mm x 53.0 mm x 39.7 mm |
| Mass | 175 g |

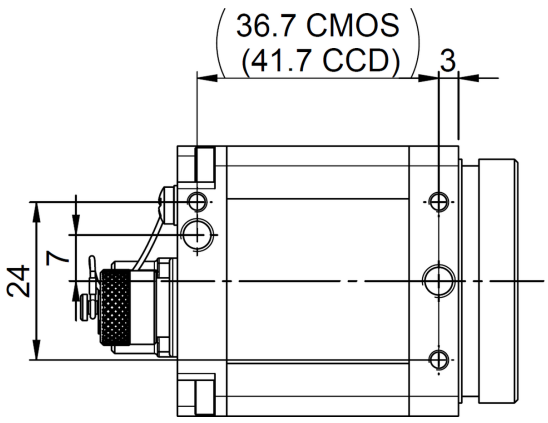


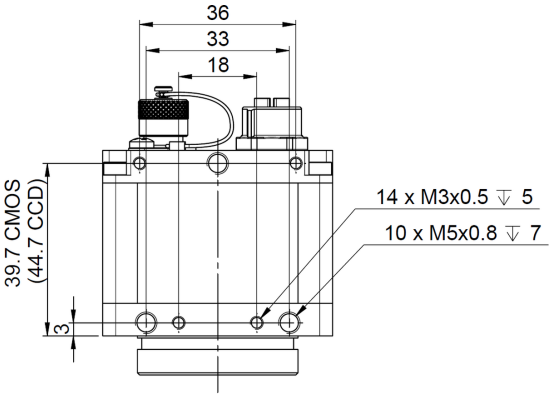
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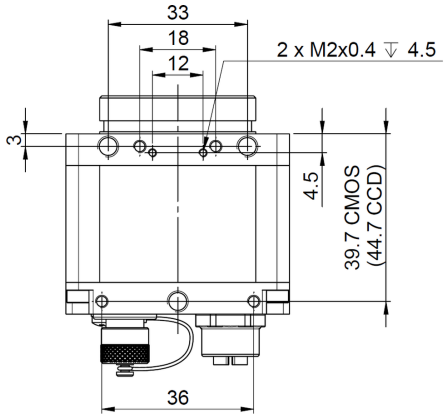




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