# UI-2310SE-C-HQ (AB.0010.1.09910.24)

**Discontinued**
The model has been discontinued.





## Specification

### Sensor

| | |
|---|---|
| Sensor type | CCD Color |
| Shutter | Global Shutter |
| Sensor characteristic | Linear |
| Readout mode | Progressive scan |
| Pixel Class | 0.3 MP |
| Resolution | 0.31 Mpix |
| Resolution (h x v) | 640 x 480 Pixel |
| Aspect ratio | 4:3 |
| ADC | 10 bit |
| Color depth (camera) | 8 bit |
| Optical sensor class | 1/4"" |
| Optical Size | 3.584 mm x 2.688 mm |
| Optical sensor diagonal | 4.48 mm (1/3.57") |
| Pixel size | 5.6 µm |
| Manufacturer | Sony |
| Sensor Model | ICX098BQ |
| Gain (master/RGB) | -/4x |
| AOI horizontal | increased frame rate |
| AOI vertical | increased frame rate |
| AOI image width / step width | 16 / 16 |
| AOI image height / step width | 120 / 2 |
| AOI position grid (horizontal/vertical) | 2 / 2 |
| Binning horizontal | - |
| Binning vertical | increased frame rate |
| Binning method | Mono |
| Binning factor | 2 / 3 / 4 |
| Subsampling horizontal | - |
| Subsampling vertical | - |
| Subsampling method | - |
| Subsampling factor | - |


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## Model

| | |
|---|---|
| Pixel clock range | 5 MHz - 30 MHz |
| Frame rate freerun mode | 75 |
| Frame rate trigger (maximum) | 65 |
| Exposure time (minimum - maximum) | 0.040 ms - 640 ms |
| Power consumption | 1.6 W - 2.3 W |

## Ambient conditions

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

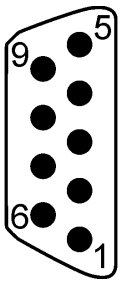
| | |
|---|---|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F |
| Device temperature during storage | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (relative, non-condensing) | 20 % - 80 % |

## 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 (-) |



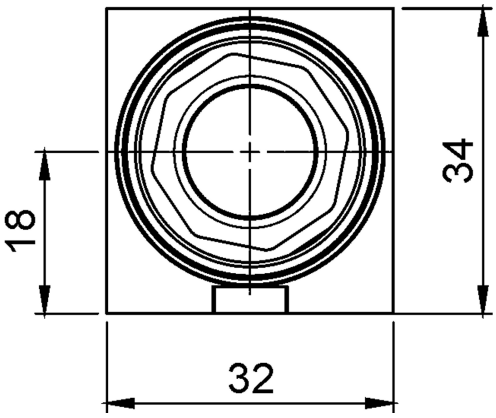

Camera rear view

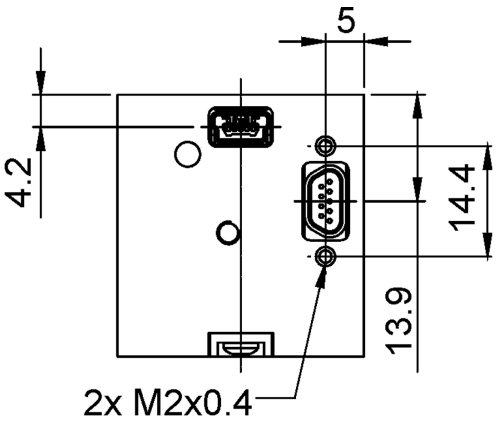
## Design

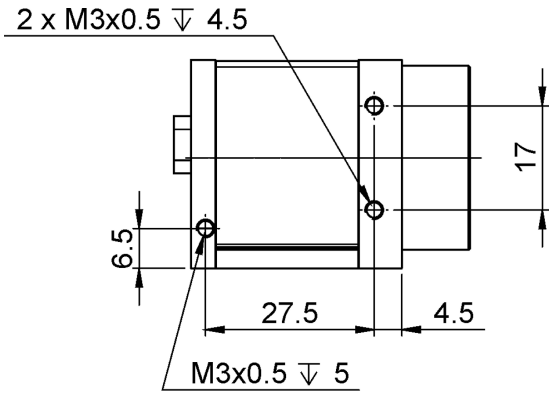
| | |
|---|---|
| Lens Mount | C-Mount |
| IP code | IP30 |
| Dimensions H/W/L | 34.0 mm x 32.0 mm x 48.3 mm |
| Mass | 79 g |

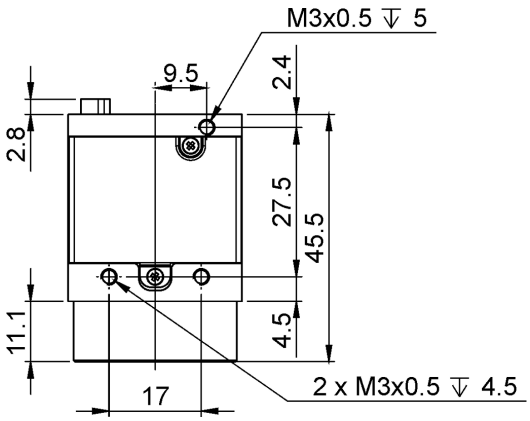


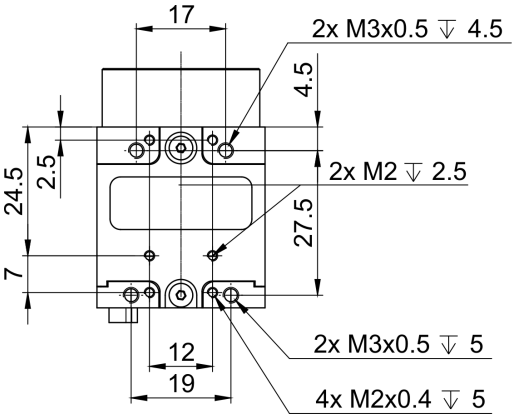
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