# UI-2220RE-M-BG (AB.0010.1.19010.00)

**Discontinued**
The model has been discontinued.

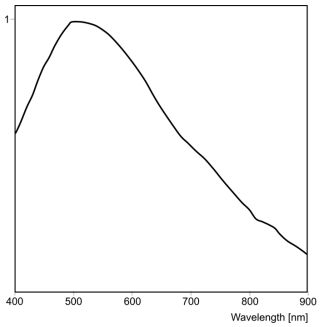




## Specification

### Sensor

| | |
|---|---|
| Sensor type | CCD Mono |
| Shutter | Global Shutter |
| Sensor characteristic | Linear |
| Readout mode | Progressive scan |
| Pixel Class | 0.4 MP |
| Resolution | 0.44 Mpix |
| Resolution (h x v) | 768 x 576 Pixel |
| Aspect ratio | 4:3 |
| ADC | 12 bit |
| Color depth (camera) | 8 bit |
| Optical sensor class | 1/2"" |
| Optical Size | 6.374 mm x 4.781 mm |
| Optical sensor diagonal | 7.97 mm (1/2.01") |
| Pixel size | 8.3 µm |
| Manufacturer | Sony |
| Sensor Model | ICX415AL |
| Gain (master/RGB) | 14.1x/- |
| AOI horizontal | same frame rate |
| AOI vertical | increased frame rate |
| AOI image width / step width | 16 / 4 |
| AOI image height / step width | 120 / 1 |
| AOI position grid (horizontal/vertical) | 1 / 1 |
| 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 | 52 |
| Frame rate trigger (maximum) | 49 |
| Exposure time (minimum - maximum) | 0.030 ms - 773 ms |
| Power consumption | 1 W - 1.9 W |

## Ambient conditions

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

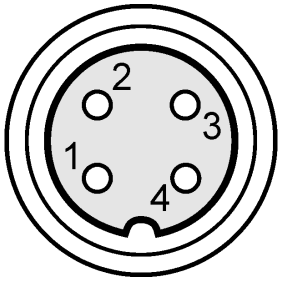
| | |
|---|---|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F |
| Device temperature during storage | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (relative, non-condensing) | 0 % - 100 % |

## Connectors

| | |
|---|---|
| Interface connector | USB 2.0 mini-B, screwable |
| I/O connector | 4-pin Binder socket (Binder series 712: 09-0412-20-04) |
| Power supply | USB cable |

## Pin assignment I/O connector

| | |
|---|---|
| 1 | Trigger input with optocoupler (+) |
| 2 | Trigger input with optocoupler (-) |
| 3 | Flash output with optocoupler (-) |
| 4 | Flash output with optocoupler (+) |



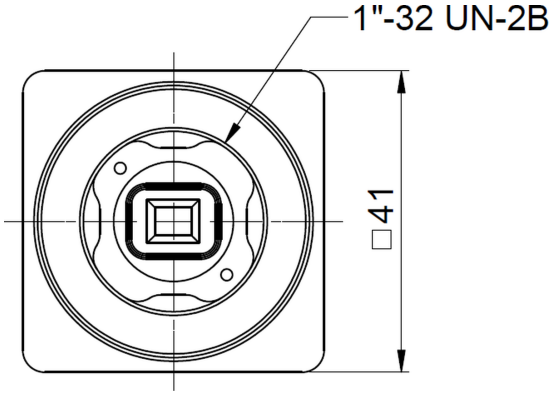

Camera rear view

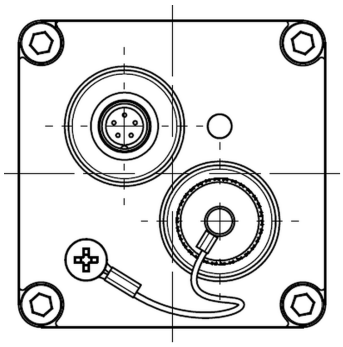
## Design

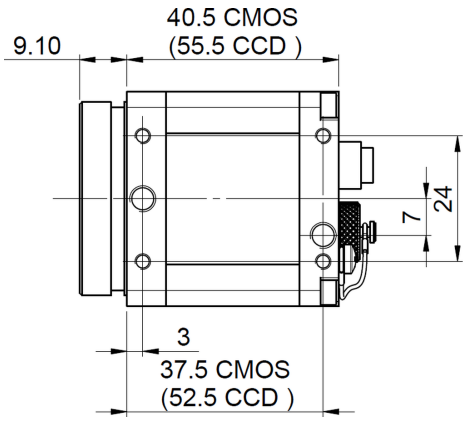
| | |
|---|---|
| Lens Mount | C-Mount |
| IP code | IP65/67 |
| Dimensions H/W/L | 41.0 mm x 41.0 mm x 55.5 mm |
| Mass | 175 g |

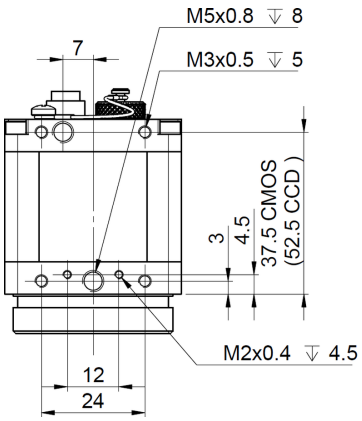


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