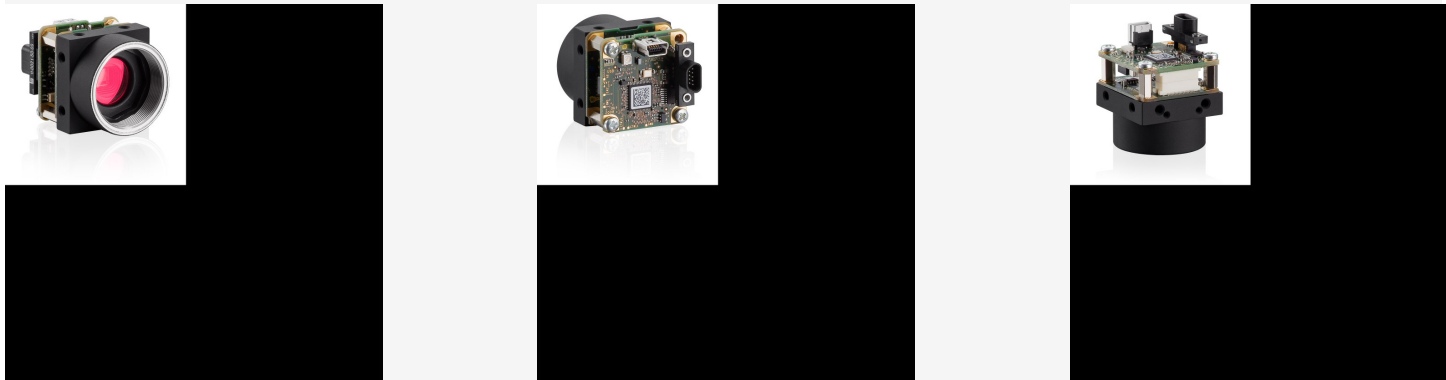


Discontinued  
The model has been discontinued.



Specification

|                                         |                      |
|-----------------------------------------|----------------------|
| Sensor                                  |                      |
| Sensor type                             | CCD Mono             |
| Shutter                                 | Global Shutter       |
| Sensor characteristic                   | Linear               |
| Readout mode                            | Progressive scan     |
| Pixel Class                             | 0.3 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                            | ICX098BL             |
| Gain (master/RGB)                       | -/-                  |
| AOI horizontal                          | increased frame rate |
| AOI vertical                            | increased frame rate |
| AOI image width / step width            | 16 / 16              |
| 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                      | -                    |

## 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.  
For PCB versions, refer to the separate hints in the respective documentation.

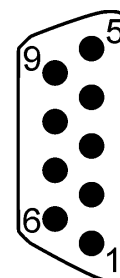
|                                     |                                 |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F   |
| Device temperature during storage   | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (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          | -                           |
| Dimensions H/W/L | 30.0 mm x 30.0 mm x 48.3 mm |
| Mass             | 51 g                        |

