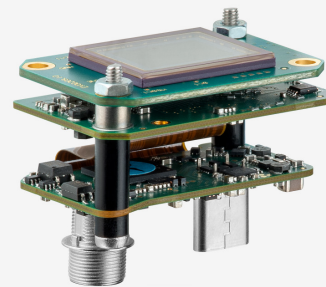
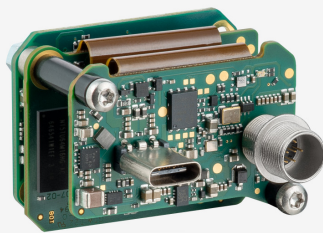
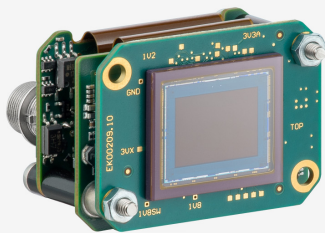


In series

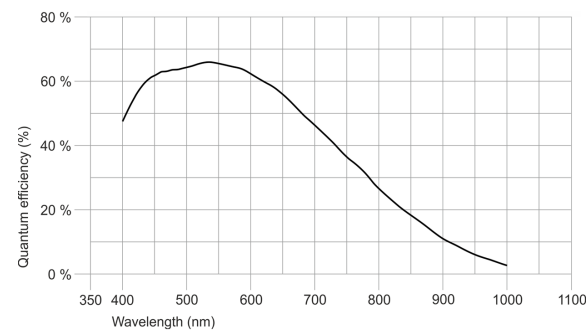
The model is in series and available for the long term.



Specification

Sensor

|                                         |                      |
|-----------------------------------------|----------------------|
| Sensor type                             | CMOS Mono            |
| Shutter                                 | Global Shutter       |
| Sensor characteristic                   | Linear               |
| Readout mode                            | Progressive scan     |
| Pixel Class                             | 9 MP                 |
| Resolution                              | 8.85 Mpix            |
| Resolution (h x v)                      | 4096 x 2160 Pixel    |
| Aspect ratio                            | 17:9                 |
| ADC                                     | 12 bit               |
| Color depth (camera)                    | 12 bit               |
| Optical sensor class                    | 1"                   |
| Optical Size                            | 14.131 mm x 7.452 mm |
| Optical sensor diagonal                 | 15.98 mm (1/1")      |
| Pixel size                              | 3.45 µm              |
| Micro lens shift                        | 0.00                 |
| Manufacturer                            | Sony                 |
| Sensor Model                            | IMX267LLR-C          |
| Gain (master/RGB)                       | 24x/4x               |
| AOI horizontal                          | same frame rate      |
| AOI vertical                            | increased frame rate |
| AOI image width / step width            | 256 / 8              |
| AOI image height / step width           | 1 / 1                |
| AOI position grid (horizontal/vertical) | 8 / 1                |
| Binning horizontal                      | same frame rate      |
| Binning vertical                        | increased frame rate |
| Binning method                          | M/C automatic        |
| Binning factor                          | 2 / 4 / 8            |
| Subsampling horizontal                  | same frame rate      |
| Subsampling vertical                    | same frame rate      |
| Subsampling method                      | M/C automatic        |
| Subsampling factor                      | 2, 4, 8              |



Model

|                                         |                    |
|-----------------------------------------|--------------------|
| Frame rate freerun mode (in 8-bit mode) | 33 fps             |
| Frame rate trigger (continuous)         | 33 fps             |
| Frame rate trigger (maximum)            | 34 fps             |
| Exposure time (minimum - maximum)       | 0.027 ms - 2000 ms |
| Long exposure (maximum)                 | 90000 ms           |
| Power consumption                       | 1.6 W - 3.9 W      |
| Image memory                            | 128 MB             |

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.

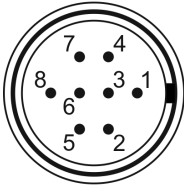
|                                     |                                 |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F   |
| Device temperature during storage   | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity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

Connectors

|                     |                                           |
|---------------------|-------------------------------------------|
| Interface connector | USB Type-C                                |
| I/O connector       | 8-pin Hirose connector (HR25-7TR-8PA(73)) |
| Power supply        | USB cable                                 |

Pin assignment I/O connector

|   |                                              |
|---|----------------------------------------------|
| 1 | Ground (GND)                                 |
| 2 | Flash output with optocoupler (-) - Line 1   |
| 3 | General Purpose I/O (GPIO) 1, 3.3 V - Line 2 |
| 4 | Trigger input with optocoupler (-) - Line 0  |
| 5 | Flash output with optocoupler (+) - Line 1   |
| 6 | General Purpose I/O (GPIO) 2, 3.3 V - Line 3 |
| 7 | Trigger input with optocoupler (+) - Line 0  |
| 8 | Output supply voltage, 5 V (100 mA)          |



Design

|                  |                             |
|------------------|-----------------------------|
| Lens Mount       | -                           |
| IP code          | -                           |
| Dimensions H/W/L | 29.5 mm x 40.0 mm x 25.0 mm |
| Mass             | 22 g                        |

Features

|                   |                             |   |
|-------------------|-----------------------------|---|
| Image Acquisition | Freerun                     | ✓ |
|                   | Software trigger            | ✓ |
|                   | Hardware trigger            | ✓ |
|                   | Trigger controlled exposure | ✓ |
|                   | Denoiser                    | ✓ |
|                   | Long exposure               | ✓ |
|                   | Line scan                   | ✓ |
|                   | Line scan highspeed         | - |
| Flashing          | Flashing                    | ✓ |
|                   | PWM flashing                | ✓ |

|                           |                                |                                                 |
|---------------------------|--------------------------------|-------------------------------------------------|
| Image Adjustments         | Auto exposure                  | ✓                                               |
|                           | Auto gain                      | ✓                                               |
|                           | Auto whitebalance              | -                                               |
|                           | Color correction               | -                                               |
|                           | Gamma                          | ✓                                               |
|                           | LUT                            | ✓                                               |
|                           | Mirror/flip                    | X/Y                                             |
| On-board Image Processing | Pixel formats                  | Mono8<br>Mono10<br>Mono10p<br>Mono12<br>Mono12p |
|                           | Region of interest             | ✓                                               |
|                           | Decimation (FPGA)              | ✓                                               |
|                           | Decimation (Sensor)            | -                                               |
|                           | Binning (FPGA)                 | ✓                                               |
|                           | Binning (Sensor)               | 2x2<br>Increases frame rate.                    |
| Others                    | Chunks                         | ✓                                               |
|                           | Sequencer                      | ✓                                               |
|                           | Events                         | ✓                                               |
|                           | Firmware update                | ✓                                               |
|                           | 1st supported firmware version | 2.20.17746                                      |