

**In series**

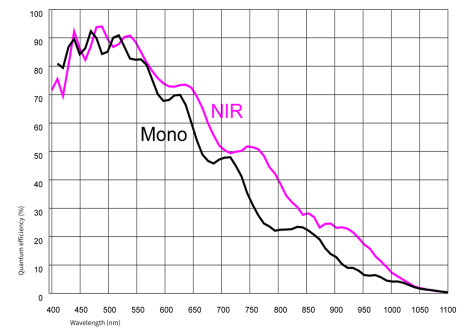
The model is in series and available for the long term.



Specification

Sensor

|                                         |                      |
|-----------------------------------------|----------------------|
| Sensor type                             | CMOS Mono            |
| Shutter                                 | Rolling shutter      |
| Sensor characteristic                   | Linear               |
| Readout mode                            | Progressive scan     |
| Pixel Class                             | 5 MP                 |
| Resolution                              | 5.04 Mpix            |
| Resolution (h x v)                      | 2592 x 1944 Pixel    |
| Aspect ratio                            | 4:3                  |
| ADC                                     | 12 bit               |
| Color depth (camera)                    | 12 bit               |
| Optical sensor class                    | 1/2.5"               |
| Optical Size                            | 5.702 mm x 4.277 mm  |
| Optical sensor diagonal                 | 7.13 mm (1/2.24")    |
| Pixel size                              | 2.2 µm               |
| Manufacturer                            | Onsemi               |
| Sensor Model                            | AR0521SR2M09SURA0    |
| Gain (master/RGB)                       | 15x/-                |
| AOI horizontal                          | same frame rate      |
| AOI vertical                            | increased frame rate |
| AOI image width / step width            | 48 / 12              |
| AOI image height / step width           | 4 / 2                |
| AOI position grid (horizontal/vertical) | 8 / 2                |
| Binning horizontal                      | same frame rate      |
| Binning vertical                        | increased frame rate |
| Binning method                          | Color                |
| Binning factor                          | 2                    |
| Subsampling horizontal                  | same frame rate      |
| Subsampling vertical                    | increased frame rate |
| Subsampling method                      | Color                |
| Subsampling factor                      | 2, 4                 |



## Model

|                                   |                    |
|-----------------------------------|--------------------|
| Frame rate freerun mode           | 48                 |
| Frame rate trigger (continuous)   | 44                 |
| Frame rate trigger (maximum)      | 44                 |
| Exposure time (minimum - maximum) | 0.016 ms - 2000 ms |
| Power consumption                 | 0.6 W - 1.2 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 - 80 °C / -4 °F - 176 °F |
| Humidity (relative, non-condensing) | 20 % - 80 %                     |

## Connectors

|                     |            |
|---------------------|------------|
| Interface connector | USB Type-C |
| I/O connector       | -          |
| Power supply        | USB cable  |

## Design

|                  |                             |
|------------------|-----------------------------|
| Lens Mount       | S-Mount                     |
| IP code          | IP30                        |
| Dimensions H/W/L | 47.0 mm x 46.0 mm x 25.0 mm |
| Mass             | 33 g                        |