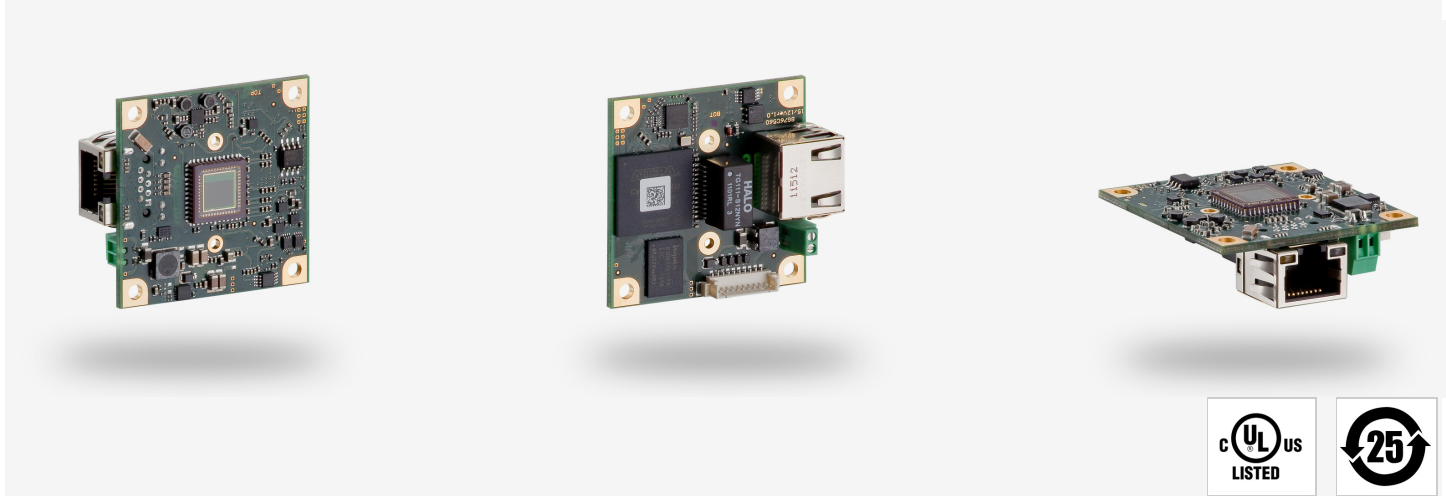


Discontinued  
The model has been discontinued.

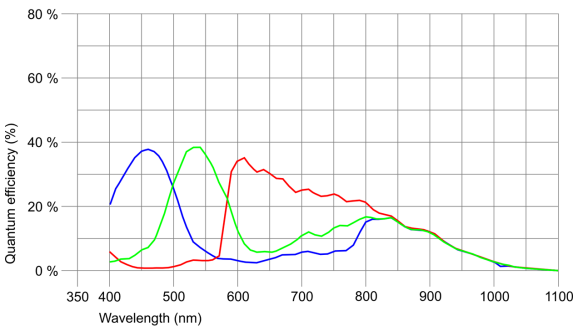


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. [Learn about the process here and switch now.](#)  
Please note: The technical data given here was measured using the IDS Software Suite.

Specification

Sensor

|                                         |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Sensor type                             | CMOS Color                                              |
| Shutter                                 | Global Shutter / Rolling shutter / Global Start Shutter |
| Sensor characteristic                   | Linear                                                  |
| Readout mode                            | Progressive scan                                        |
| Pixel Class                             | 1.9 MP                                                  |
| Resolution                              | 1.92 Mpix                                               |
| Resolution (h x v)                      | 1600 x 1200 Pixel                                       |
| Aspect ratio                            | 4:3                                                     |
| ADC                                     | 10 bit                                                  |
| Color depth (camera)                    | 12 bit                                                  |
| Optical sensor class                    | 1/1.8"                                                  |
| Optical Size                            | 7.200 mm x 5.400 mm                                     |
| Optical sensor diagonal                 | 9 mm (1/1.78")                                          |
| Pixel size                              | 4.5 µm                                                  |
| Manufacturer                            | e2v                                                     |
| Sensor Model                            | EV76C570ACT                                             |
| Gain (master/RGB)                       | 4x/4x                                                   |
| AOI horizontal                          | same frame rate                                         |
| AOI vertical                            | increased frame rate                                    |
| AOI image width / step width            | 16 / 4                                                  |
| AOI image height / step width           | 4 / 2                                                   |
| AOI position grid (horizontal/vertical) | 2 / 2                                                   |
| Binning horizontal                      | same frame rate                                         |
| Binning vertical                        | same frame rate                                         |
| Binning method                          | M/C automatic                                           |
| Binning factor                          | 2                                                       |
| Subsampling horizontal                  | -                                                       |
| Subsampling vertical                    | -                                                       |
| Subsampling method                      | -                                                       |
| Subsampling factor                      | -                                                       |



Subject to technical modifications (2024-04-19)

## Model

|                                   |                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------|
| Pixel clock range                 | 10 MHz - 71 MHz                                                                                   |
| Frame rate freerun mode           | 35                                                                                                |
| Frame rate trigger (maximum)      | 34                                                                                                |
| Exposure time (minimum - maximum) | 0.020 ms - 10000 ms                                                                               |
| Long exposure (maximum)           | 10000 ms                                                                                          |
| Power consumption                 | 2.2 W - 2.9 W                                                                                     |
| Image memory                      | 60 MB                                                                                             |
| Special features                  | Scaler,<br>Sequencer,<br>Log mode,<br>Sensor hot pixel correction,<br>Fine exposure,<br>Multi-AOI |

## 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.

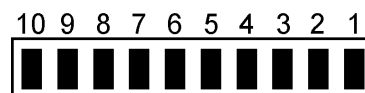
|                                     |                                 |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F   |
| Device temperature during storage   | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity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

## Connectors

|                     |                                     |
|---------------------|-------------------------------------|
| Interface connector | GigE RJ45                           |
| I/O connector       | 10-pin Molex connector (Pico Blade) |
| Power supply        | 12 V - 24 V                         |

## Pin assignment I/O connector

|    |                                   |
|----|-----------------------------------|
| 1  | Ground (GND)                      |
| 2  | Vout 3.1 V max. 100 mA            |
| 3  | Trigger input without optocoupler |
| 4  | Flash output without optocoupler  |
| 5  | General Purpose I/O (GPIO) 1      |
| 6  | General Purpose I/O (GPIO) 2      |
| 7  | I2C bus clock signal              |
| 8  | I2C bus data signal               |
| 9  | Vin+ 12 V (160 mA) - 24 V (90 mA) |
| 10 | Vin- (GND)                        |



Camera rear view

## Design

|                  |                             |
|------------------|-----------------------------|
| Lens Mount       | -                           |
| IP code          | -                           |
| Dimensions H/W/L | 45.0 mm x 45.0 mm x 13.0 mm |
| Mass             | 10 g                        |

