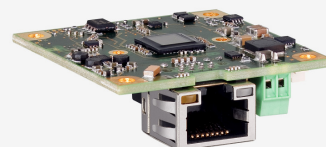
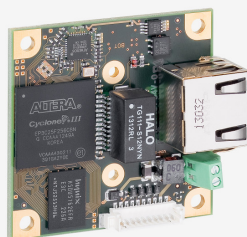
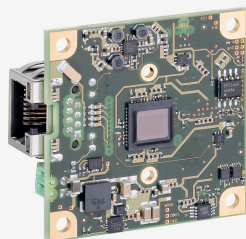




## UI-5482LE-M (AB00449)

**Discontinued**  
The model has been discontinued.

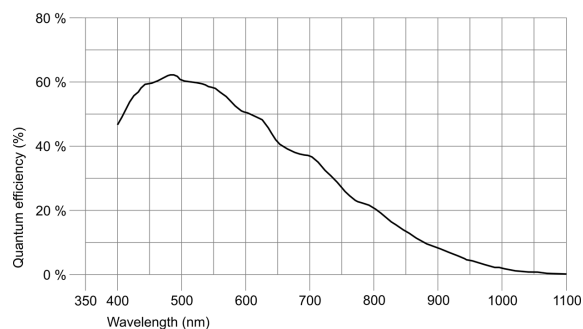


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. [Learn about the process here and switch now.](#)  
Please note: The technical data given here was measured using the IDS Software Suite.

## Specification

### Sensor

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Sensor type                             | CMOS Mono                              |
| Shutter                                 | Rolling shutter / Global Start Shutter |
| Sensor characteristic                   | Linear                                 |
| Readout mode                            | Progressive scan                       |
| Pixel Class                             | 5 MP                                   |
| Resolution                              | 4.92 Mpix                              |
| Resolution (h x v)                      | 2560 x 1920 Pixel                      |
| Aspect ratio                            | 4:3                                    |
| ADC                                     | 12 bit                                 |
| Color depth (camera)                    | 12 bit                                 |
| Optical sensor class                    | 1/2.5"                                 |
| Optical Size                            | 5.632 mm x 4.224 mm                    |
| Optical sensor diagonal                 | 7.04 mm (1/2.27")                      |
| Pixel size                              | 2.2 $\mu$ m                            |
| Manufacturer                            | Onsemi                                 |
| Sensor Model                            | MT9P031STM                             |
| Gain (master/RGB)                       | 30x/-                                  |
| AOI horizontal                          | increased frame rate                   |
| AOI vertical                            | increased frame rate                   |
| AOI image width / step width            | 32 / 4                                 |
| AOI image height / step width           | 4 / 2                                  |
| AOI position grid (horizontal/vertical) | 4 / 2                                  |
| Binning horizontal                      | increased frame rate                   |
| Binning vertical                        | increased frame rate                   |
| Binning method                          | Color                                  |
| Binning factor                          | 2 / 3 / 4 / 6                          |
| Subsampling horizontal                  | increased frame rate                   |
| Subsampling vertical                    | increased frame rate                   |
| Subsampling method                      | Color                                  |
| Subsampling factor                      | 2, 3, 4, 5, 6                          |



Subject to technical modifications (2024-04-18)



## Model

|                                   |                    |
|-----------------------------------|--------------------|
| Pixel clock range                 | 4 MHz - 96 MHz     |
| Frame rate freerun mode           | 14                 |
| Frame rate trigger (maximum)      | 14                 |
| Exposure time (minimum - maximum) | 0.034 ms - 3404 ms |
| Power consumption                 | 2.6 W - 3.1 W      |
| Image memory                      | 60 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.

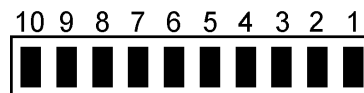
|                                     |                                 |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F   |
| Device temperature during storage   | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity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

## Connectors

|                     |                                     |
|---------------------|-------------------------------------|
| Interface connector | 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             | 24 g                        |

