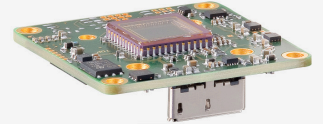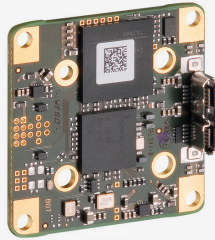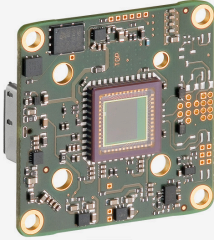# iDS

## UI-3482LE-M (AB00489)

■ **Discontinued**
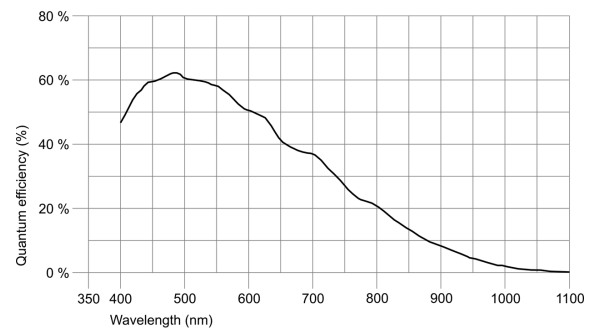The model has been discontinued.



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 µm |
| 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 (2025-06-03)

IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com

## Model

| | |
|---|---|
| Pixel clock range | 25 MHz - 104 MHz |
| Frame rate freerun mode | 15 |
| Frame rate trigger (maximum) | 15 |
| Exposure time (minimum - maximum) | 0.031 ms - 549 ms |
| Power consumption | 1.4 W - 1.7 W |

## Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.
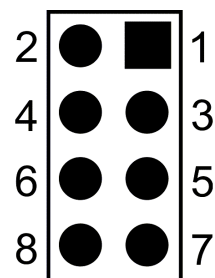For PCB versions, refer to the separate hints in the respective documentation.

| | |
|---|---|
| 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 3.0 micro-B |
| I/O connector | 8-pin plated-through holes (for connector 50 mil/RM 1,27 mm) |
| Power supply | USB cable |

## Pin assignment I/O connector

| | |
|---|---|
| 1 | USB Power supply (VCC) 5 V |
| 2 | USB Ground (GND) |
| 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 |

Camera rear view

## Design

| | |
|---|---|
| Lens Mount | - |
| IP code | - |
| Dimensions H/W/L | 36.0 mm x 36.0 mm x 9.8 mm |
| Mass | 8 g |