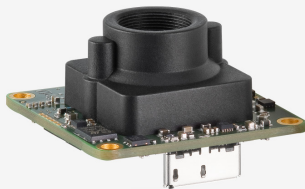
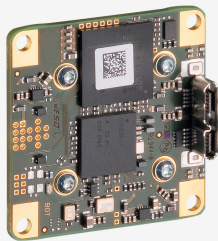
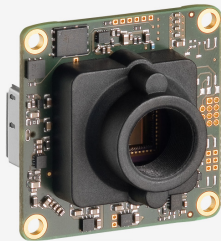




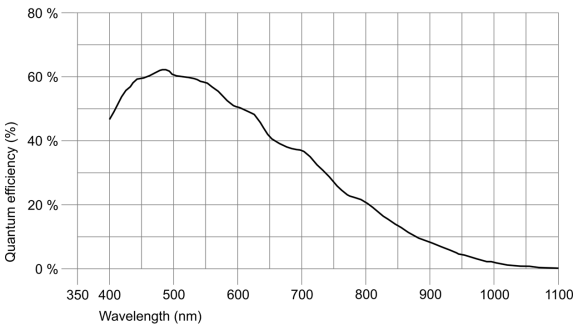
U3-3481LE-M-GL (AB00663)

Discontinued  
The model has been discontinued.



Specification

|                                         |                     |
|-----------------------------------------|---------------------|
| Sensor                                  |                     |
| Sensor type                             | CMOS Mono           |
| Shutter                                 | Rolling 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                          | -                   |
| AOI vertical                            | -                   |
| AOI image width / step width            | - / -               |
| AOI image height / step width           | - / -               |
| AOI position grid (horizontal/vertical) | - / -               |
| Binning horizontal                      | -                   |
| Binning vertical                        | -                   |
| Binning method                          | -                   |
| Binning factor                          | -                   |
| Subsampling horizontal                  | -                   |
| Subsampling vertical                    | -                   |
| Subsampling method                      | -                   |
| Subsampling factor                      | -                   |



Subject to technical modifications (2024-04-23)



## U3-3481LE-M-GL (AB00663)

### Model

|                                   |                    |
|-----------------------------------|--------------------|
| Frame rate freerun mode           | 12                 |
| Frame rate trigger (maximum)      | -                  |
| Exposure time (minimum - maximum) | 0.037 ms - 1959 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.

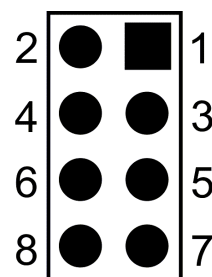
|                                     |                                 |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F   |
| Device temperature during storage   | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (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       | S-Mount                     |
| IP code          | -                           |
| Dimensions H/W/L | 36.0 mm x 36.0 mm x 20.2 mm |
| Mass             | 12 g                        |