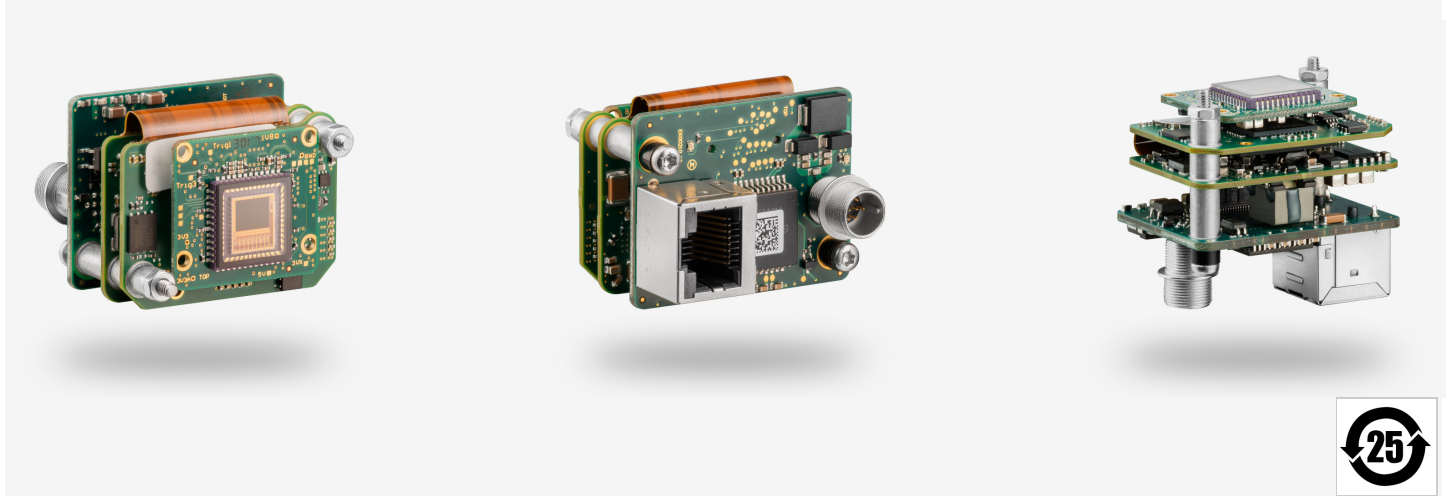


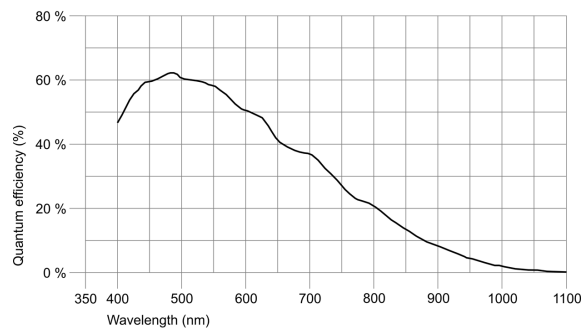
Discontinued
The model has been discontinued.



IDS peak 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 |
| Subsampling horizontal | increased frame rate |
| Subsampling vertical | increased frame rate |
| Subsampling method | Color |
| Subsampling factor | 2, 3, 4, 5, 6 |



Subject to technical modifications (2024-04-20)

Model

| | |
|-----------------------------------|--------------------|
| Pixel clock range | 5 MHz - 104 MHz |
| Frame rate freerun mode | 15 |
| Frame rate trigger (continuous) | 15 |
| Frame rate trigger (maximum) | 15 |
| Exposure time (minimum - maximum) | 0.031 ms - 2745 ms |
| Power consumption | 1.2 W - 3.2 W |
| Image memory | 128 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.

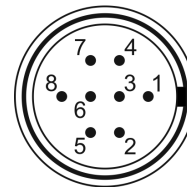
| | |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F |
| Device temperature during storage | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (relative, non-condensing) | 20 % - 80 % |

Connectors

| | |
|---------------------|---|
| Interface connector | GigE RJ45 |
| I/O connector | 8-pin Hirose connector (HR25-7TR-8PA(73)) |
| Power supply | 12 V - 24 V or PoE |

Pin assignment I/O connector

| | |
|---|-------------------------------------|
| 1 | Ground (GND) |
| 2 | Flash output with optocoupler (-) |
| 3 | General Purpose I/O (GPIO) 1 |
| 4 | Trigger input with optocoupler (-) |
| 5 | Flash output with optocoupler (+) |
| 6 | General Purpose I/O (GPIO) 2 |
| 7 | Trigger input with optocoupler (+) |
| 8 | Input power supply (VCC) 12-24 V DC |



Camera rear view

Design

| | |
|------------------|-----------------------------|
| Lens Mount | - |
| IP code | - |
| Dimensions H/W/L | 31.5 mm x 40.0 mm x 30.0 mm |
| Mass | 35 g |