

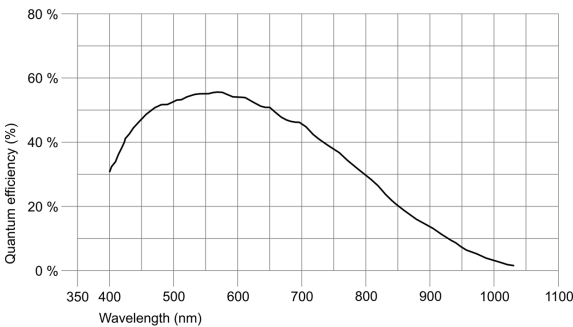
Discontinued
The model has been discontinued.



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 |
| Sensor characteristic | Linear |
| Readout mode | Progressive scan |
| Pixel Class | 1.3 MP |
| Resolution | 1.31 Mpix |
| Resolution (h x v) | 1280 x 1024 Pixel |
| Aspect ratio | 5:4 |
| ADC | 10 bit |
| Color depth (camera) | 8 bit |
| Optical sensor class | 1/2" |
| Optical Size | 6.656 mm x 5.325 mm |
| Optical sensor diagonal | 8.52 mm (1/1.88") |
| Pixel size | 5.2 µm |
| Manufacturer | Onsemi |
| Sensor Model | MT9M001STM |
| Gain (master/RGB) | 13x/- |
| 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 | - |
| Binning vertical | - |
| Binning method | - |
| Binning factor | - |
| Subsampling horizontal | increased frame rate |
| Subsampling vertical | increased frame rate |
| Subsampling method | Color |
| Subsampling factor | 2, 4, 8 |



Subject to technical modifications (2024-04-23)

Model

| | |
|-----------------------------------|-------------------|
| Pixel clock range | 5 MHz - 43 MHz |
| Frame rate freerun mode | 25 |
| Frame rate trigger (maximum) | 25 |
| Exposure time (minimum - maximum) | 0.037 ms - 983 ms |
| Power consumption | 0.5 W - 1 W |

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.

| | |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F |
| Device temperature during storage | -20 °C - 80 °C / -4 °F - 176 °F |
| Humidity (relative, non-condensing) | 20 % - 80 % |

Connectors

| | |
|---------------------|----------------|
| Interface connector | USB 2.0 mini-B |
| I/O connector | - |
| Power supply | USB cable |

Design

| | |
|------------------|-----------------------------|
| Lens Mount | CS- / C-Mount |
| IP code | IP30 |
| Dimensions H/W/L | 48.6 mm x 44.0 mm x 25.6 mm |
| Mass | 41 g |