# GV-5880SE-M-GL (AB02565)

**Not recommended for new designs**
The camera model is no longer recommended for new application development.





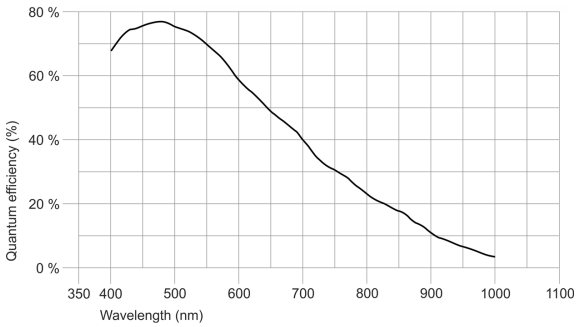





## Specification

### Sensor

| | |
|---|---|
| Sensor type | CMOS Mono |
| Shutter | Rolling shutter |
| Sensor characteristic | Linear |
| Readout mode | Progressive scan |
| Pixel Class | 6 MP |
| Resolution | 6.41 Mpix |
| Resolution (h x v) | 3088 x 2076 Pixel |
| Aspect ratio | 3:2 |
| ADC | 12 bit |
| Color depth (camera) | 12 bit |
| Optical sensor class | 1/1.8"" |
| Optical Size | 7.411 mm x 4.982 mm |
| Optical sensor diagonal | 8.93 mm (1/1.79") |
| Pixel size | 2.4 µm |
| Manufacturer | Sony |
| Sensor Model | IMX178LLJ-C |
| Gain (master/RGB) | 14.5x/5x |
| AOI horizontal | same frame rate |
| AOI vertical | increased frame rate |
| AOI image width / step width | 88 / 8 |
| AOI image height / step width | 1 / 1 |
| AOI position grid (horizontal/vertical) | 8 / 1 |
| Binning horizontal | increased frame rate |
| Binning vertical | increased frame rate |
| Binning method | M/C automatic |
| Binning factor | 2 / 4 / 8 |
| Subsampling horizontal | same frame rate |
| Subsampling vertical | same frame rate |
| Subsampling method | M/C automatic |
| Subsampling factor | 2, 4, 8 |





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## Model

| | |
|---|---|
| Frame rate freerun mode | 18 |
| Frame rate trigger (continuous) | 18 |
| Frame rate trigger (maximum) | 18 |
| Exposure time (minimum - maximum) | 0.031 ms - 2000 ms |
| Long exposure (maximum) | 60000 ms |
| Power consumption | 1.8 W - 2.7 W |
| Image memory | 128 MB |

## 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 - 60 °C / -4 °F - 140 °F |
| Humidity (relative, non-condensing) | 20 % - 80 % |

## Connectors

| | |
|---|---|
| Interface connector | GigE RJ45, screwable |
| 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 (-) - Line 1 |
| 3 | General Purpose I/O (GPIO) 1 - Line 2 |
| 4 | Trigger input with optocoupler (-) - Line 0 |
| 5 | Flash output with optocoupler (+) - Line 1 |
| 6 | General Purpose I/O (GPIO) 2 |
| 7 | Trigger input with optocoupler (+) - Line 0 |
| 8 | Input power supply (VCC) 12-24 V DC |




Camera rear view

## Design

| | |
|---|---|
| Lens Mount | C-Mount |
| IP code | IP30 |
| Dimensions H/W/L | 34.0 mm x 44.0 mm x 47.0 mm |
| Mass | 106 g |



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