

## **Goldeye CL**

### Goldeye CL-030 VSWIR TEC1

The Goldeye CL-030 TEC1 high-speed camera is one of the fastest VGA resolution short wave infrared (SWIR) cameras with GigE Vision interface. Frame rates up to 234 fps at full resolution enable you to access versatile application fields and to speed up your processes.

#### General

|                |                           |
|----------------|---------------------------|
| Model          | Goldeye CL-030 VSWIR TEC1 |
| Product series | Goldeye CL                |
| Status         | Available                 |

#### Sensor

|                                |                                   |
|--------------------------------|-----------------------------------|
| Sensor type                    | Area scan                         |
| Chroma                         | Mono                              |
| Spectrum                       | SWIR, Visible SWIR                |
| Spectral range                 | 400 nm to 1700 nm                 |
| Resolution                     | 656 × 520 (0.30 MP)               |
| Sensor model                   | Sony IMX991   InGaAs   TEC        |
| Sensor architecture (material) | cmos-ingaas                       |
| Shutter type(s)                | Global shutter (GS)               |
| Sensor size                    | 3.28 × 2.6 mm (4.19 mm, Type 1/4) |
| Pixel size                     | 5.00 µm × 5.00 µm                 |

#### Pixel formats

|                  |        |
|------------------|--------|
| Sensor bit depth | 12-bit |
|------------------|--------|

#### Timing and gain

|                 |                   |
|-----------------|-------------------|
| Max. frame rate | 234 fps           |
| Exposure time   | 3 µs to 200.00 ms |
| Gain            | 0.0 dB to 18.0 dB |

#### I/Os and power

|                    |                   |
|--------------------|-------------------|
| Non-isolated lines | 1 input, 1 output |
|--------------------|-------------------|

## I/Os and power

|                             |                                |
|-----------------------------|--------------------------------|
| Specific non-isolated lines | 115 200 Baud, 8N1 (adjustable) |
| Opto-isolated lines         | 1 input, 2 outputs             |
| Power supply                | 10.8 V to 30.0 V               |
| Power consumption           | Maximum: 11.8 W (at 12 VDC)    |

## Operating conditions

|                                 |                             |
|---------------------------------|-----------------------------|
| Operating temperature (housing) | -20 °C to 55 °C ((housing)) |
|---------------------------------|-----------------------------|

## Mechanical properties

|                                   |              |
|-----------------------------------|--------------|
| Body dimensions (L x W x H in mm) | 78 × 55 × 55 |
| Weight                            | 330 g        |

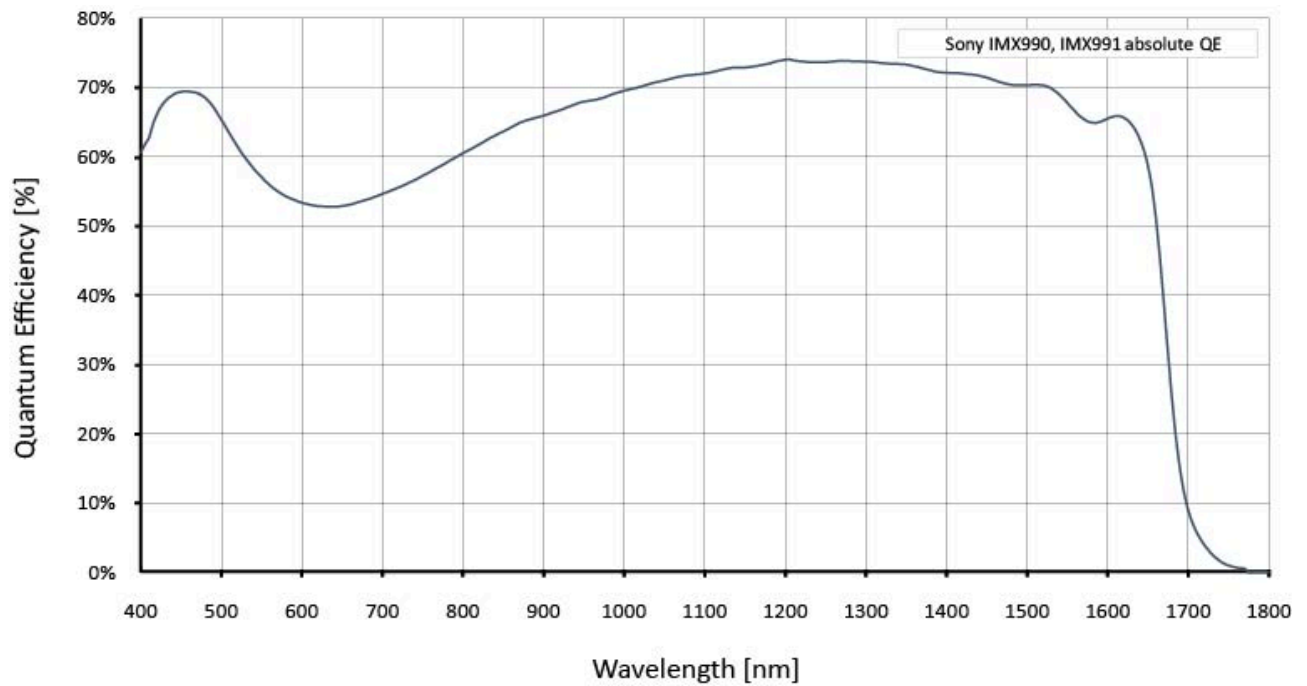
## On-board memory and FPGA

|                    |           |
|--------------------|-----------|
| Image buffer (RAM) | 256 MByte |
|--------------------|-----------|

## Interfaces

|                   |                  |
|-------------------|------------------|
| Digital interface | Camera Link Base |
|-------------------|------------------|

## Quantum Efficiency



## Technical Drawing

