



Goldeye CL

Goldeye CL-034 SWIR TEC1

The Goldeye CL-034 TEC1 high-speed camera is one of the fastest VGA resolution short wave infrared (SWIR) cameras with Camera Link interface. Frame rates up to 303 fps at full resolution enable you to access versatile application fields and to speed up your processes.

General

Model: Goldeye CL-034 SWIR TEC1

Product series: Goldeye CL

Status: Available

Sensor

Sensor type: Area scan

Chroma: Mono

Spectrum: SWIR

Spectral range: 900 nm to 1700 nm

Resolution: 636 × 508 (0.30 MP)

Sensor model: FPA 636 × 508 | 15 µm | InGaAs

Sensor architecture (material): InGaAs

Sensor size: 12.2 mm ø (12.2 mm (diagonal))

Pixel size: 15.00 µm × 15.00 µm

Pixel formats

Sensor bit depth: 8-bit to 14-bit

Monochrome pixel formats: Tap geometry 1X 1Y: Mono8, Mono10, Mono12, Mono14, Mono16,
Tap geometry 1X2 1Y: Mono8

Timing and gain

Max. frame rate: 303 fps

I/Os and power

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|------------------------------|--------------------------------|
| Non-isolated lines: | LVTTTL I/Os: 1 input, 1 output |
| 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: | 11.8 W at 12 VDC |

Operating conditions

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

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| Body dimensions (L x W x H in mm): | 78 × 55 × 55 |
| Weight: | 350 g |

On-board memory and FPGA

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| Image buffer (RAM): | 256 MByte |
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Interfaces

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| Digital interface: | Camera Link Base |
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Quantum Efficiency

Goldeye G/CL-034 Absolute QE



