



Goldeye CL

Goldeye CL-008 SWIR TEC1

The Goldeye CL-008 TEC1 is one of the fastest QVGA resolution short wave infrared cameras with Camera Link interface. With frame rates up to 344 fps at full resolution, versatile application fields can be addressed and processes can be sped up strongly. Thanks to its very affordable price, many cost-sensitive applica

General

Model: Goldeye CL-008 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: 320 × 256 (0.10 MP)

Sensor model: FPA 320 × 256 | 30 µm | InGaAs

Sensor architecture (material): InGaAs

Sensor size: 12.3 mm ø (12.3mm (diagonal))

Pixel size: 30.00 µm × 30.00 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: 344 fps

I/Os and power

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:	10.5 W (at 12 VDC)

Operating conditions

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

Body dimensions (L x W x H in mm):	78 × 55 × 55
Weight:	320 g

On-board memory and FPGA

Image buffer (RAM):	256 MByte
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Interfaces

Digital interface:	Camera Link Base
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Goldeye G/CL-008 Absolute QE



