



Goldeye CL

Goldeye CL-008 SWIR Cool
TEC1

The Goldeye CL-008 Cool TEC1 is one of the fastest QVGA resolution SWIR 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. To enable low-noise imaging in the spectral range from 900 nm to

General

Model:	Goldeye CL-008 SWIR Cool 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
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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):	90 × 80 × 80
Weight:	760 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



