



Goldeye CL

Goldeye CL-033 SWIR
TECless

The Goldeye CL-033 TECless high-speed camera is the fastest VGA resolution short wave infrared camera (SWIR) with Camera Link interface. Frame rates up to 301 fps at full resolution enable you to access versatile application fields and to speed up your processes. Thanks to its very affordable price, many cost-sensitive

General

Model:	Goldeye CL-033 SWIR TECless
Product series:	Goldeye CL
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	SWIR
Spectral range:	900 nm to 1700 nm
Resolution:	640 × 512 (0.30 MP)
Sensor model:	FPA 640 × 512 15 µm InGaAs
Sensor architecture (material):	InGaAs
Sensor size:	12.3 mm ø (12.3mm (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, Mono12, Mono14, Tap Geometry 1X2 1Y: Mono8

Timing and gain

Max. frame rate:	301 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 DC to 30.0 V
Power consumption:	6.0 W (at 12 VDC)

Operating conditions

Operating temperature (housing):	-20 °C to 55 °C (Case)
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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-033 Absolute QE



