

# 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	LVTTL I/Os: 1 input, 1 output
Specific non-isolated lines	115 200 Baud, 8N1 (adjustable)

## I/Os and power

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

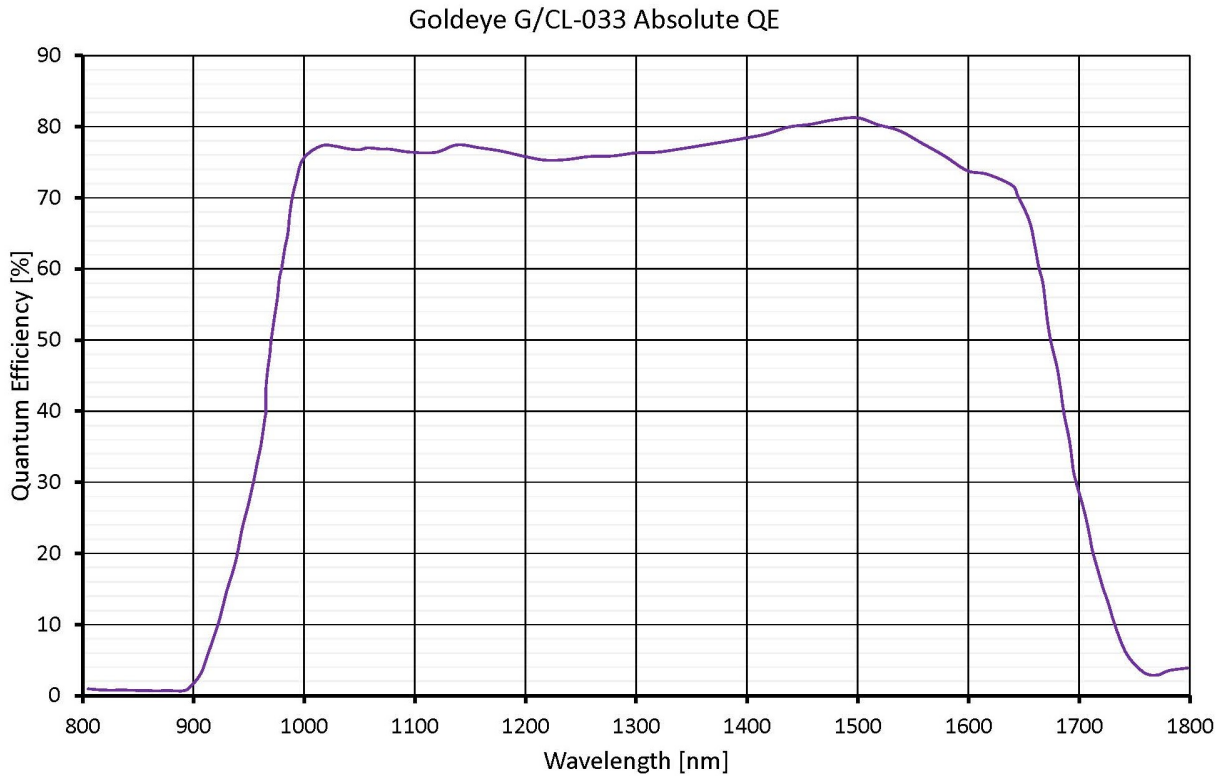
## On-board memory and FPGA

Image buffer (RAM)	256 MByte
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## Interfaces

Digital interface	Camera Link Base
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Quantum Efficiency



Technical Drawing

