

Goldeye CL

Goldeye CL-034 SWIR TEC2

Preliminary product information. Features and technical specifications are subject to change without notice.

The Goldeye CL-034 TEC2 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 TEC2
Product series	Goldeye CL
Status	Prototype/engineering sample

Sensor

Sensor type	Area scan
Chroma	Mono
Spectrum	SWIR
Spectral range	900 nm to 1700 nm
Resolution	636 × 508 (0.32 MP)
Sensor model	Progressive scan 0.32 MP
Sensor architecture (material)	cmos-ingaas
Shutter type(s)	Global shutter (GS)
Sensor size	9.54 × 7.62 mm (12.2 mm, Type 1)
Pixel size	15.00 μm × 15.00 μm

Pixel formats

Sensor bit depth	14-bit
------------------	--------

Timing and gain

Max. frame rate	303 fps
Exposure time	1 μ s to 10 s
Gain	0.0 dB to 33.0 dB

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	21 W at 12 VDC

Operating conditions

Operating temperature (housing)	-20 °C to 55 °C ((housing))
---------------------------------	-----------------------------

Mechanical properties

Body dimensions (L x W x H in mm)	90 × 80 × 80
Weight	740 g

On-board memory and FPGA

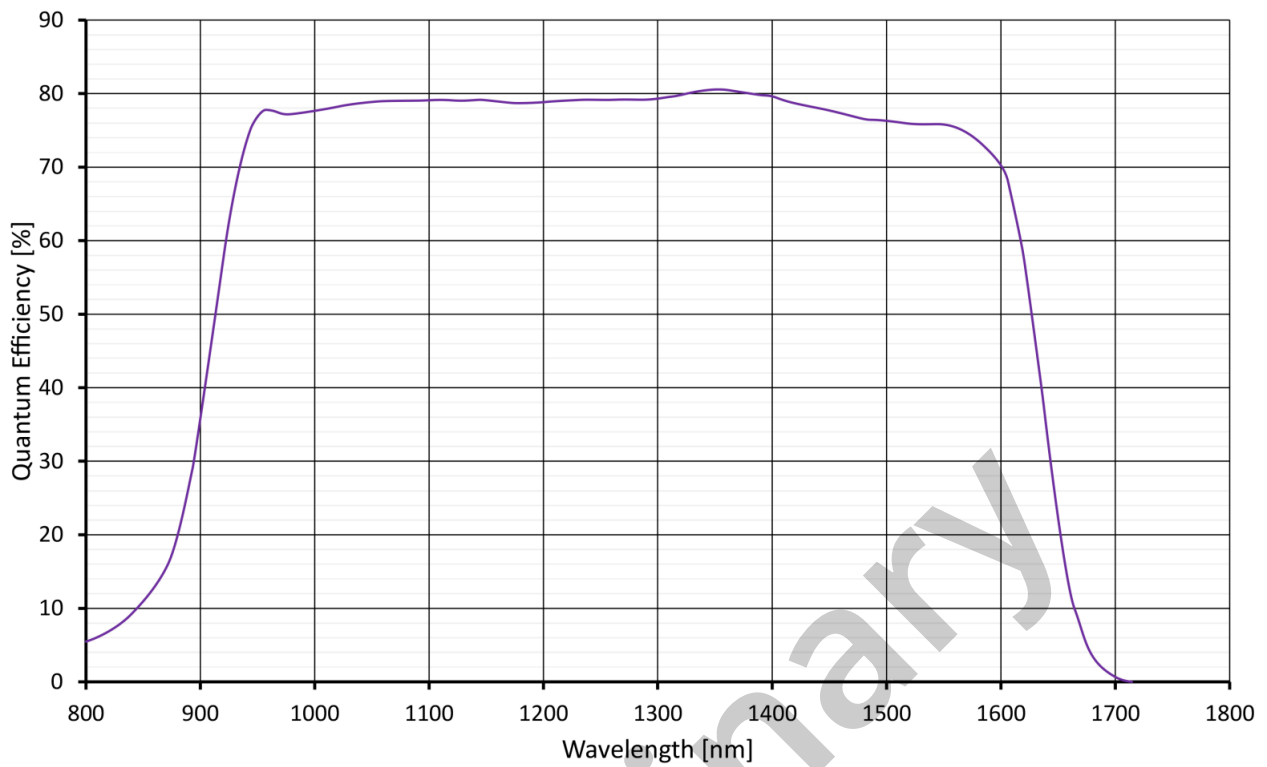
Image buffer (RAM)	256 MByte
--------------------	-----------

Interfaces

Digital interface	Camera Link Base
-------------------	------------------

Quantum Efficiency

Goldeye G/CL-034 TEC2 Absolute QE



Technical Drawing

