

Goldeye CL

Goldeye CL-008 XSWIR 1.9 TEC2

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

The Goldeye CL-008 XSWIR 1.9 TEC2 is the fastest QVGA resolution short wave infrared camera with GigE Vision interface that is optimized for scientific grade applications often requiring long exposure times. With frame rates up to 344 fps at full resolution, versatile application fields can be addressed.

General

Model	Goldeye CL-008 XSWIR 1.9 TEC2
Product series	Goldeye CL
Status	Prototype/engineering sample

Sensor

Sensor type	Area scan
Chroma	Mono
Spectrum	SWIR, eXtended SWIR
Spectral range	1100 nm to 1900 nm
Resolution	320 × 256 (0.08 MP)
Sensor model	Progressive scan 0.08 MP
Sensor architecture (material)	cmos-ingaas
Shutter type(s)	Global shutter (GS)
Sensor size	9.6 × 7.68 mm (12.3 mm, Type 1)
Pixel size	30.00 µm × 30.00 µm

Pixel formats

Sensor bit depth	14-bit
Monochrome pixel formats	Tap geometry 1X 1Y: Mono8, Tap geometry 1X2 1Y: Mono8

Timing and gain

Max. frame rate	344 fps
Exposure time	6 µs to 30.00 ms

Timing and gain

Gain	0.0 dB to 24.0 dB
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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	20 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	730 g

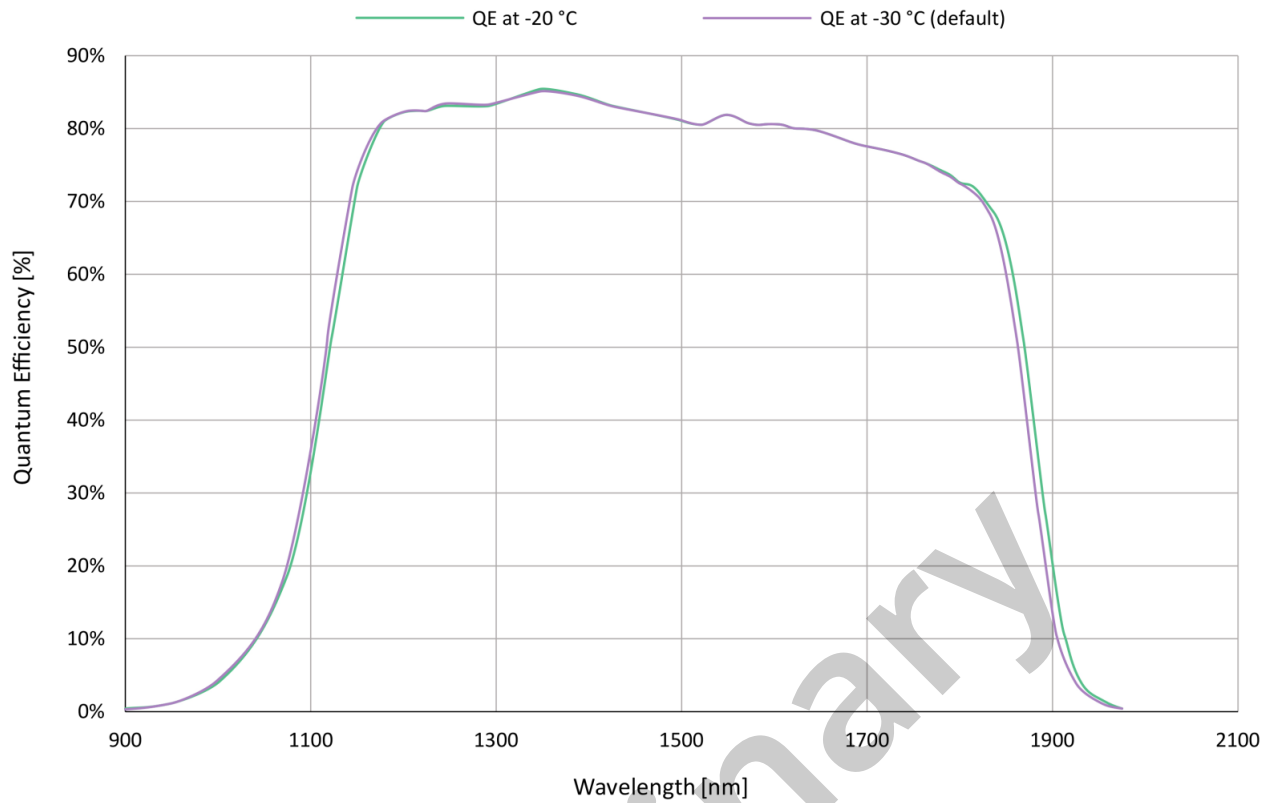
On-board memory and FPGA

Image buffer (RAM)	256 MByte
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Interfaces

Digital interface	Camera Link Base
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Quantum Efficiency



Technical Drawing

