

Goldeye CL

Goldeye CL-034 XSWIR 1.9 TEC2

Goldeye CL-034 XSWIR 1.9 TEC2 high-speed camera is the fastest VGA resolution extended short wave infrared camera (XSWIR) with GigE Vision 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 XSWIR 1.9 TEC2
Product series:	Goldeye CL
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	eXtended SWIR, SWIR
Spectral range:	1100 nm to 1900 nm
Resolution:	636 × 508 (0.30 MP)
Sensor model:	FPA 636 × 508 15 µm Extended Range InGaAs
Sensor architecture (material):	InGaAs
Sensor size:	12.2 mm ø (12.2 mm (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, Mono10, Mono12, Mono14, Mono16, Tap geometry 1X2 1Y: Mono8

Timing and gain

Max. frame rate:	303 fps
------------------	---------

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

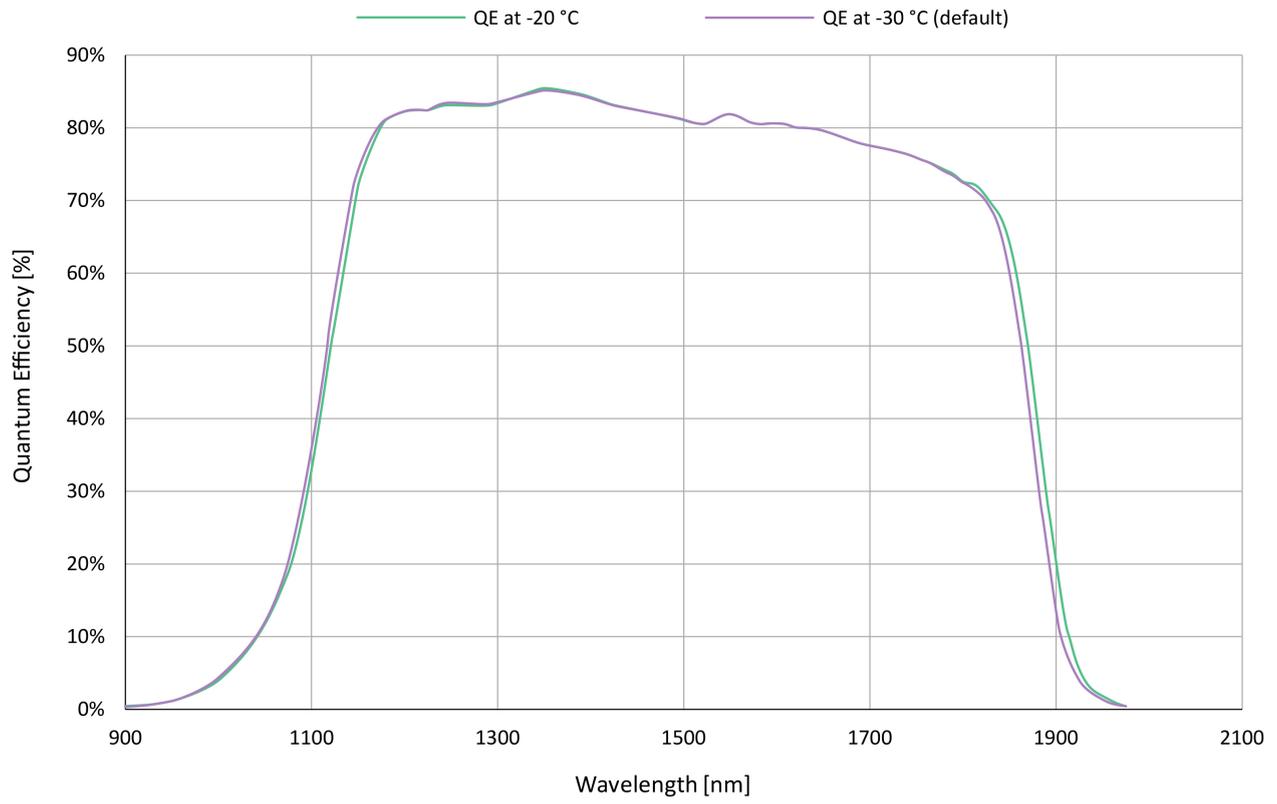
On-board memory and FPGA

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

Interfaces

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

Quantum Efficiency



Technical Drawing

