

Goldeye G

Goldeye G-033 SWIR TECless

The Goldeye G-033 TECless high-speed camera is the fastest VGA resolution short wave infrared camera (SWIR) with GigE Vision 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 G-033 SWIR TECless
Product series	Goldeye G
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	Mono8, Mono12, Mono12Packed, Mono14

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

I/Os and power

Power supply	10.8 V DC to 30.0 V or via PoE
Power consumption	6.0 W (at 12 VDC), <7.5 W (PoE)

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)	78 × 55 × 55
Weight	370 g

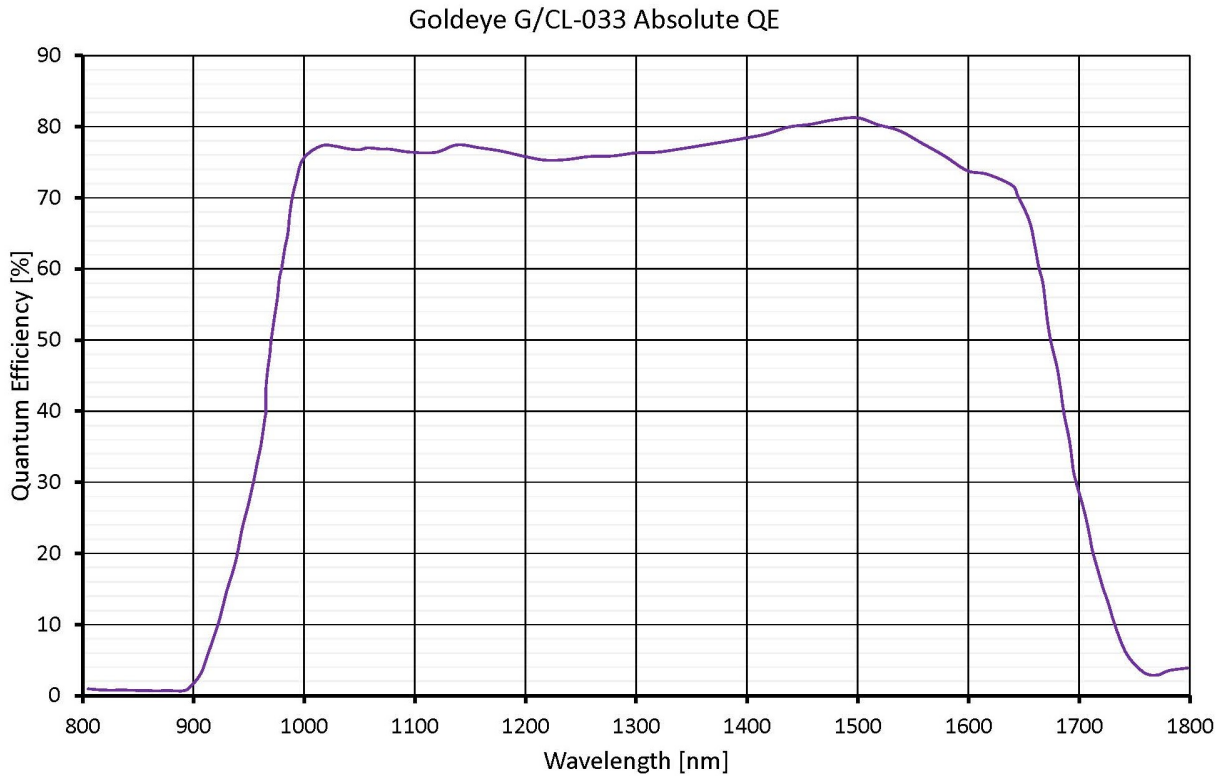
On-board memory and FPGA

Image buffer (RAM)	256 MByte
Non-volatile memory (Flash)	262 MByte

Interfaces

Digital interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
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Quantum Efficiency



Technical Drawing

