Allied Vision

Goldeye G

Goldeye G-008 SWIR TEC1

The Goldeye G-008 TEC1 is a short wave infrared (SWIR) camera running 344 fps at 1/4-VGA resolution. Its GigE Vision interface enables fast integration for versatile applications at an affordable price.

General

Model	Goldeye G-008 SWIR TEC1
Product series	Goldeye G
Status	Available

Sensor

Sensor type	Area scan
Chroma	Mono
Spectrum	SWIR
Spectral range	900 nm to 1700 nm
Resolution	320 × 256 (0.10 MP)
Sensor model	FPA 320 × 256 | 30 µm | InGaAs
Sensor architecture (material)	InGaAs
Sensor size	12.3 mm ø (12.3mm (diagonal))
Pixel size	30.00 µm × 30.00 µm

Pixel formats

Sensor bit depth	8-bit to 14-bit
Monochrome pixel formats	Mono8, Mono10, Mono10p, Mono10Packed, Mono12, Mono12p, Mono12Packed, Mono14, Mono16

Timing and gain

Max. frame rate	344 fps

I/Os and power

Non-isolated lines	LVTTL I/Os: 1 Input, 1 Output
Specific non-isolated lines	115 000 Baud, 8N1 (adjustable)
Opto-isolated lines	1 Input, 2 Outputs

I/Os and power

Power supply	10.8 V to 30.0 V or via PoE
Power consumption	10.8 W (at 12 VDC), <12.95 W (PoE)

Operating conditions

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

Mechanical properties

Body dimensions (L x W x H in mm)	78 × 55 × 55
Weight	340 g

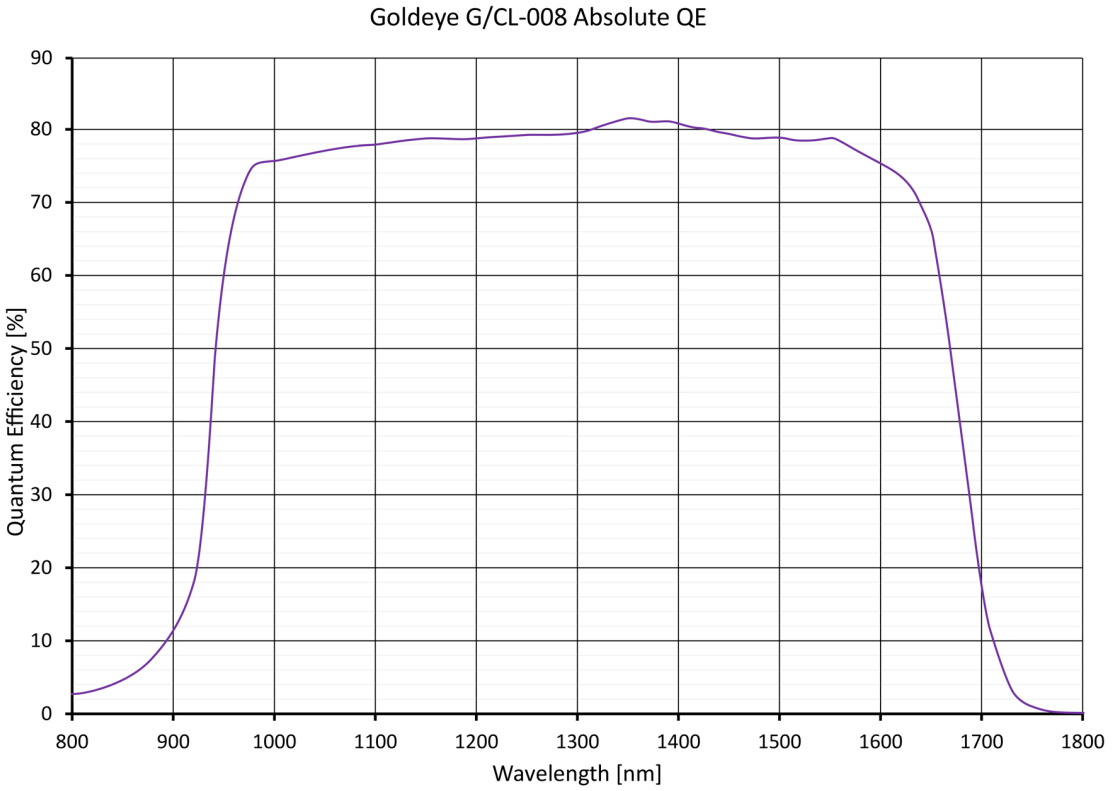
On-board memory and FPGA

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

Interfaces

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

Quantum Efficiency



Technical Drawing