Allied Vision

Goldeye G

Goldeye G-008 XSWIR 2.2 TEC2

The Goldeye G-008 XSWIR 2.2 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 G-008 XSWIR 2.2 TEC2
Product series:	Goldeye G
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	eXtended SWIR, SWIR
Spectral range:	1200 nm to 2200 nm
Resolution:	320 × 256 (0.10 MP)
Sensor model:	FPA 320 × 256 | 30 µm | Extended Range InGaAs
Sensor architecture (material):	InGaAs
Sensor size:	12.30 mm diagonal (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
Output color space:	8-bit to 14-bit

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
Power supply:	10.8 V to 30.0 V or via PoE
Power consumption:	20 W (at 12 VDC), <21 W (PoE)

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

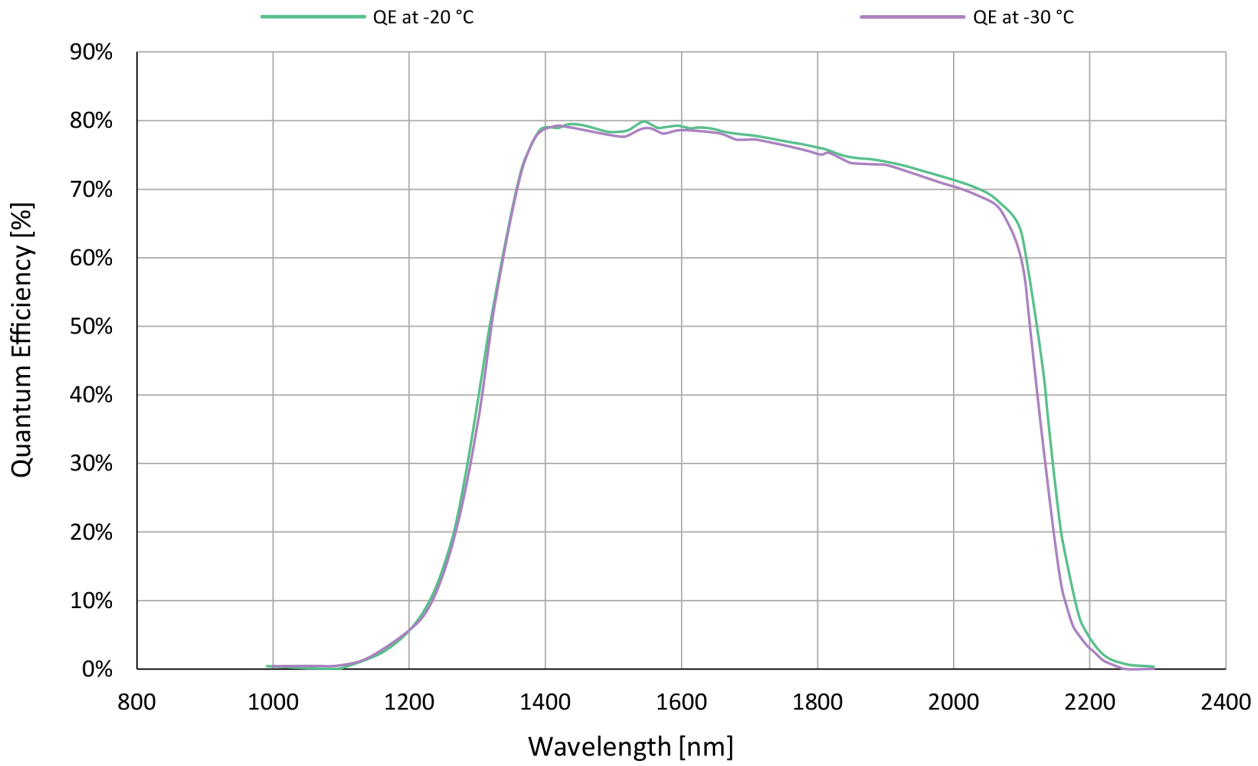
On-board memory and FPGA

Image buffer (RAM):	256 MByte
Non-volatile memory (Flash):	262144 KByte

Interfaces

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

Quantum Efficiency



Technical Drawing