

# Goldeye G

## Goldeye G-008 SWIR Cool TEC1



The Goldeye G-008 Cool TEC1 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 and processes can b

### General

Model:	Goldeye G-008 SWIR Cool 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

## I/Os and power

Non-isolated lines: LVTTTL 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: 10.7 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): 90 × 80 × 80

Weight: 790 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)

Goldeye G/CL-008 Absolute QE



