

# Goldeye G

## Goldeye G-032 SWIR TEC1



The Goldeye G-032 TEC1 is a very versatile shortwave infrared camera for the spectral range from 900 nm to 1700 nm. High frame rates of 100 fps at full resolution (636 x 508), strong sensor cooling, as well as a high intra-scene dynamic range of more than 73 dB enable to apply the camera in various application areas

### General

Model:	Goldeye G-032 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:	636 × 508 (0.30 MP)
Sensor model:	FPA 636 × 508   25 µm   InGaAs
Sensor architecture (material):	InGaAs
Sensor size:	20.3 mm ø (20.3 mm (diagonal))
Pixel size:	25.00 µm × 25.00 µm

### Pixel formats

Sensor bit depth:	8-bit to 14-bit
Monochrome pixel formats:	Mono8, Mono12, Mono12Packed, Mono14

## Timing and gain

Max. frame rate: 100

## 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 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: 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)

Goldeye G/CL-032 Absolute QE



