

Goldeye CL

Goldeye CL-032 SWIR TEC1



The Goldeye CL-032 TEC1 is a very versatile SWIR camera for the spectral range from 900 nm to 1700 nm. High frame rates of 100 fps at full resolution (636 × 508), a 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 and

General

Model:	Goldeye CL-032 SWIR TEC1
Product series:	Goldeye CL
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:	20.30 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:	Tap Geometry 1X 1Y: Mono8, Mono12, Mono14, Tap Geometry 1X2 1Y: Mono8

Timing and gain

Max. frame rate: 100 fps

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

Power consumption: 10 W at 12 VDC

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

Interfaces

Digital interface: Camera Link Base

Goldeye G/CL-032 Absolute QE



