

Goldeye CL

Goldeye CL-033 SWIR TEC1



The Goldeye CL-033 TEC1 high-speed camera is one of the fastest VGA resolution short wave infrared (SWIR) cameras with Camera Link interface. Frame rates up to 301 fps at full resolution enable you to access versatile application fields and to speed up your processes.

General

Model:	Goldeye CL-033 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:	640 × 512 (0.30 MP)
Sensor model:	FPA 640 × 512 15 µm InGaAs
Sensor architecture (material):	InGaAs
Sensor size:	12.30 mm ø (12.3mm (diagonal))
Pixel size:	15.00 µm × 15.00 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: 301 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: 11.8 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: 350 g

On-board memory and FPGA

Image buffer (RAM): 256 MByte

Interfaces

Digital interface: Camera Link Base



