



Goldeye G

Goldeye G-033 SWIR TEC1

The Goldeye G-033 TEC1 high-speed camera is the fastest VGA resolution short wave infrared camera (SWIR) with GigE Vision 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 G-033 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:	640 × 512 (0.30 MP)
Sensor model:	FPA 640 × 512 15 µm InGaAs
Sensor architecture (material):	InGaAs
Sensor size:	12.3 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:	Mono8, Mono12, Mono12Packed, Mono14

Timing and gain

Max. frame rate:	301 fps
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I/Os and power

Non-isolated lines:	LVTTTL I/Os: 1 input, 1 output
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I/Os and power

Specific non-isolated lines:	115 200 Baud, 8N1 (adjustable)
Opto-isolated lines:	1 Input, 2 Outputs
Power supply:	10.8 V DC 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)
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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
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Interfaces

Digital interface:	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
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Goldeye G/CL-033 Absolute QE



