



Goldeye G

Goldeye G-030 VSWIR TEC1

The Goldeye G-030 TEC1 high-speed camera is one of the fastest VGA resolution short wave infrared (SWIR) cameras with GigE Vision interface. Frame rates up to 234 fps at full resolution enable you to access versatile application fields and to speed up your processes.

General

Model:	Goldeye G-030 VSWIR TEC1
Product series:	Goldeye G
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	SWIR, Visible SWIR
Spectral range:	400 nm to 1700 nm
Resolution:	656 × 520 (0.30 MP)
Sensor model:	Sony IMX991 InGaAs
Sensor architecture (material):	InGaAs
Shutter type(s):	Global Shutter
Sensor size:	4.61 mm ø (Type 1/4)
Pixel size:	5.00 μm × 5.00 μm

Pixel formats

Sensor bit depth:	8-bit to 12-bit
Monochrome pixel formats:	Mono8, Mono12, Mono12Packed

Timing and gain

Max. frame rate:	234 fps
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I/Os and power

Non-isolated lines:	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 DC to 30.0 V or via PoE
Power consumption:	Maximum: 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:	340 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)
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Quantum Efficiency



