



Goldeye G

Goldeye G-130 VSWIR TEC1

Goldeye G-130 TEC1 is a fast SXGA resolution short wave infrared (SWIR) camera with GigE Vision interface. Frame rates up to 94 fps at full resolution enable you to access versatile application fields and to speed up your processes.

General

Model:	Goldeye G-130 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:	1,280 × 1,024 (1.30 MP)
Sensor model:	Sony IMX990 InGaAs
Sensor architecture (material):	InGaAs
Shutter type(s):	Global Shutter
Sensor size:	8.15 mm ø (Type 1/2)
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:	94 fps
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I/Os and power

Non-isolated lines:	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:	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



