

Goldeye G

Goldeye G-034 XSWIR 1.9 TEC2



Goldeye G-034 XSWIR 1.9 TEC2 high-speed camera is the fastest VGA resolution extended short wave infrared camera (XSWIR) with GigE Vision interface. Frame rates up to 303 fps at full resolution enable you to access versatile application fields and to speed up your processes.

General

Model:	Goldeye G-034 XSWIR 1.9 TEC2
Product series:	Goldeye G
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	eXtended SWIR, SWIR
Spectral range:	1100 nm to 1900 nm
Resolution:	636 × 508 (0.30 MP)
Sensor model:	FPA 636 × 508 15 µm Extended Range InGaAs
Sensor architecture (material):	InGaAs
Sensor size:	12.2 mm ø (12.2 mm (diagonal))
Pixel size:	15.00 µm × 15.00 µm

Pixel formats

Sensor bit depth:	8-bit to 14-bit
Monochrome pixel formats:	Mono8, Mono10, Mono10p, Mono10Packed, Mono12, Mono12p, Mono12Packed, Mono14, Mono16

Timing and gain

Max. frame rate: 303

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 DC to 30.0 V or via PoE

Power consumption: 21 W (at 12 VDC), <23 W (PoE)

Operating conditions

Operating temperature (housing): -20 °C to 55 °C (housing)

Mechanical properties

Body dimensions (L x W x H in mm): 90 × 80 × 80

Weight: 740 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)

Quantum Efficiency



