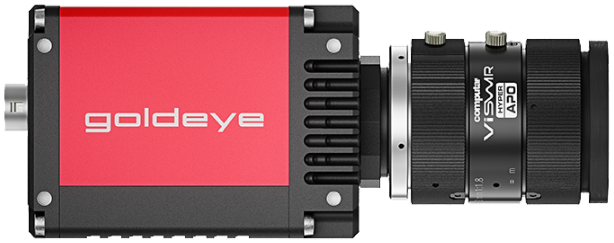
Allied Vision



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 | TEC
Sensor architecture (material)	cmos-ingaas
Shutter type(s)	Global shutter (GS)
Sensor size	3.28 × 2.6 mm (4.19 mm, Type 1/4)
Pixel size	5.00 µm × 5.00 µm

Pixel formats

Sensor bit depth	12-bit

Timing and gain

Max. frame rate	234 fps
Exposure time	3 µs to 200.00 ms
Gain	0.0 dB to 18.0 dB

I/Os and power

Non-isolated lines	1 input, 1 output

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))

Mechanical properties

Body dimensions (L x W x H in mm)	78 × 55 × 55
Weight	340 g

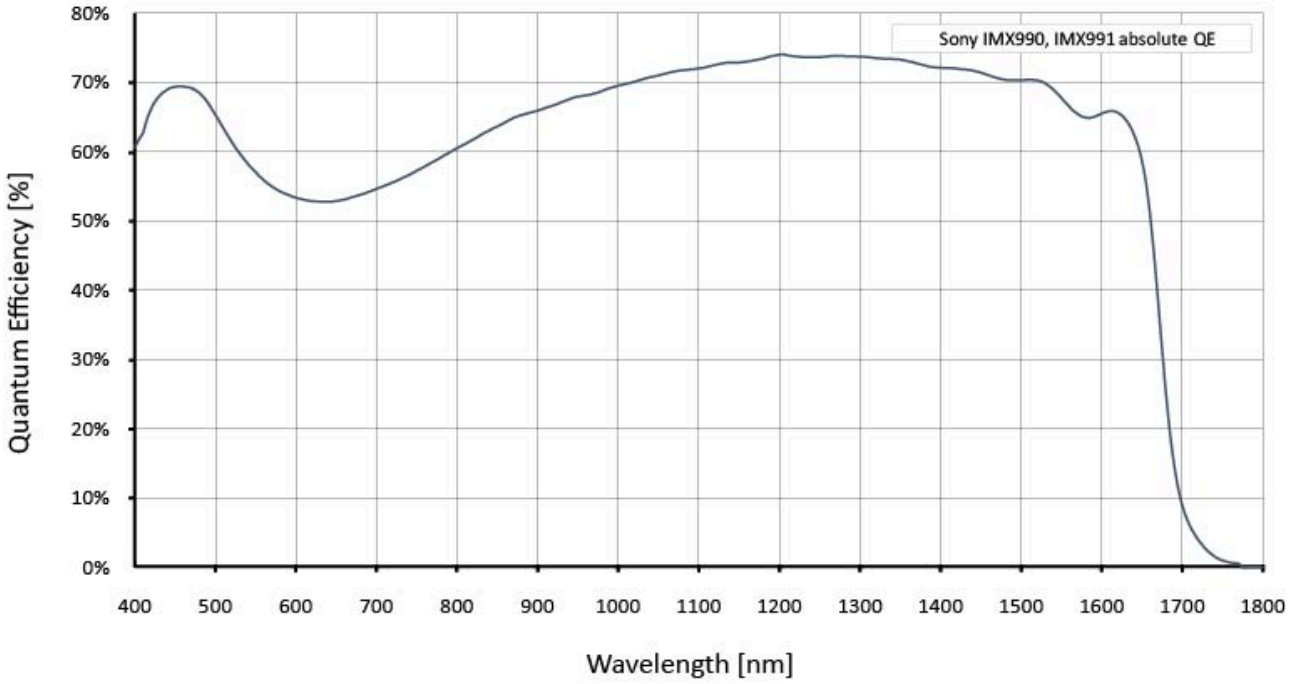
On-board memory and FPGA

Image buffer (RAM)	256 MByte
Non-volatile memory (Flash)	262 MByte

Interfaces

Digital interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)

Quantum Efficiency



Technical Drawing

