



Goldeye Pro

Goldeye Pro G5-320 VSWIR TEC1

Goldeye Pro G5-320 VSWIR TEC1 5GBASE-T camera with global shutter Sony IMX993 SenSWIR InGaAs sensor enables short wave infrared (SWIR) imaging with industrial performance for various machine vision applications.

General

Model	Goldeye Pro G5-320 VSWIR TEC1
Product series	Goldeye Pro
Status	Available

Sensor

Sensor type	Area scan
Spectrum	SWIR, Visible SWIR
Spectral range	400 nm to 1700 nm
Resolution	2,080 × 1,544 (3.20 MP)
Sensor model	Sony IMX993 InGaAs
Sensor architecture (material)	InGaAs
Shutter type(s)	Global Shutter
Sensor size	9 mm ø (Type 1/1.8)
Pixel size	3.45 µm × 3.45 µm

Pixel formats

Monochrome pixel formats	Mono12 (default)
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Timing and gain

Max. frame rate	159 fps
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I/Os and power

Non-isolated lines	4 bidirectional I/O lines
Opto-isolated lines	1 input, 3 outputs
Power supply	12 VDC to 24 VDC (±10%) or via PoE
Power consumption	Max: 11 W (12 to 24 VDC); 12.9 W (PoE)

Operating conditions

Operating temperature (housing)	0 °C to 55 °C ((housing))
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Mechanical properties

Body dimensions (L x W x H in mm)	78 × 55 × 55
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Weight	350 g
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On-board memory and FPGA

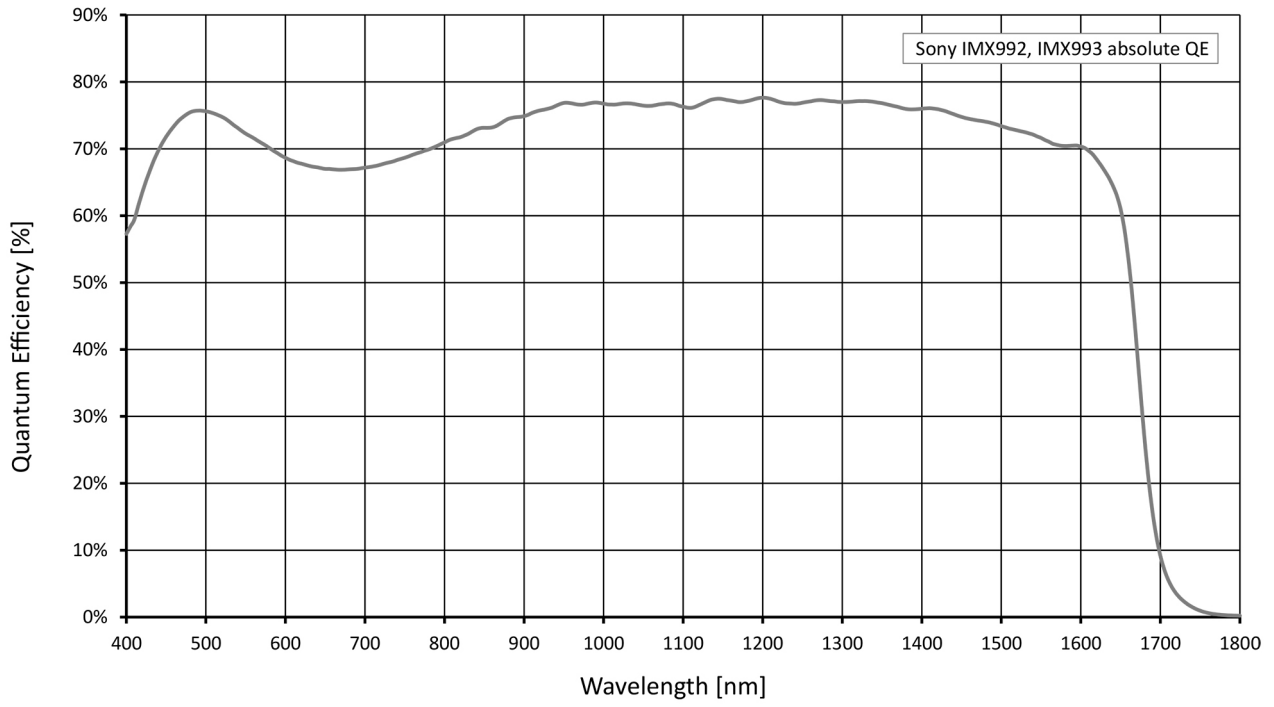
Image buffer (RAM)	256 MByte
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Non-volatile memory (Flash)	4 KByte
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Interfaces

Digital interface	IEEE 802.3: 5GBASE-T or 2.5GBASE-T (NBASE-T) and 1000BASE-T, IEEE 802.3af Power Class 0 PoE
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Quantum Efficiency



Technical Drawing

