



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
Chroma:	Mono
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

Sensor bit depth:	10-bit; 12-bit
Monochrome pixel formats:	Mono8, Mono10, Mono10p, Mono10Packed, Mono12 (default), Mono12p, Mono12Packed, Mono14, Mono16

Timing and gain

Max. frame rate:	159
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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 ($\pm 10\%$) or via PoE
Power consumption:	Max: 11 W (12 to 24 VDC); 12.9 W (PoE)

Operating conditions

Operating temperature (housing):	55 °C (max) (housing)
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Mechanical properties

Body dimensions (L x W x H in mm):	78 × 55 × 55
Weight:	350 g

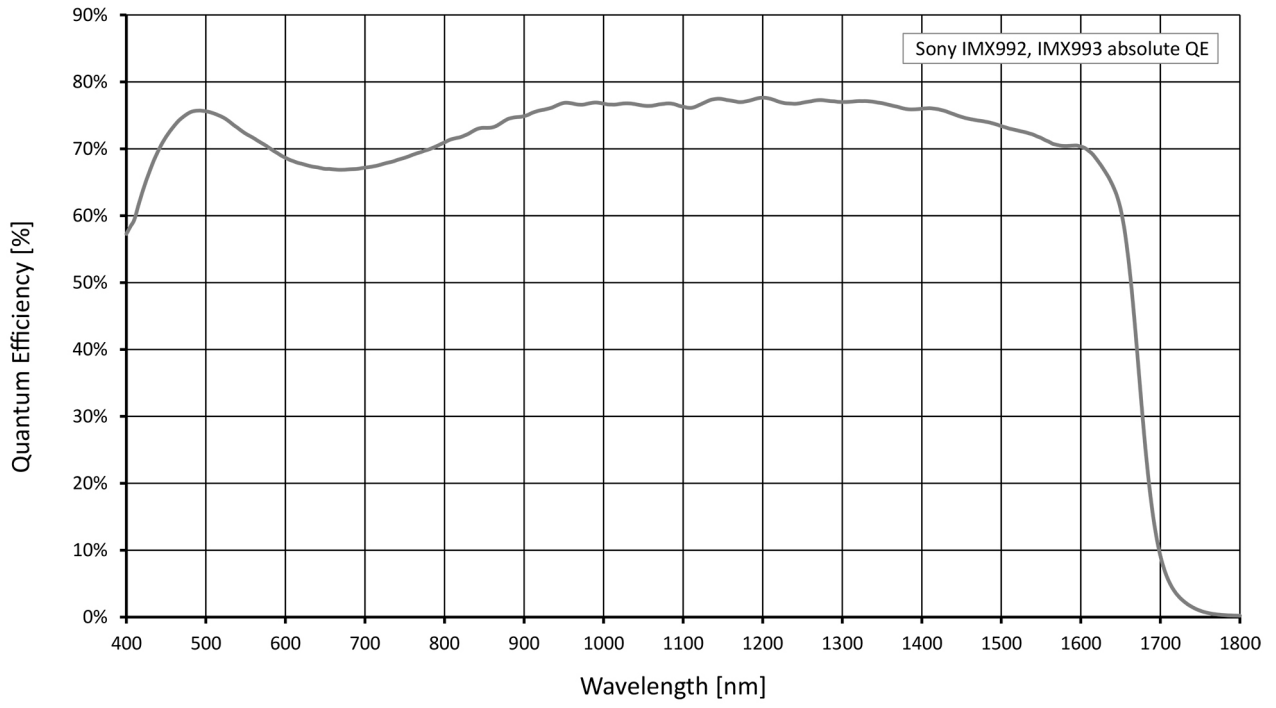
On-board memory and FPGA

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

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

