Allied Vision



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 | TEC
Sensor architecture (material)	cmos-ingaas
Shutter type(s)	Global shutter (GS)
Sensor size	7.2 × 5.3 mm (8.9 mm, Type 1/1.8)
Pixel size	3.45 µm × 3.45 µm

Pixel formats

Sensor bit depth	10-bit, 12-bit
Monochrome pixel formats	Mono12 (default)

Timing and gain

Max. frame rate	159 fps
Exposure time	23 µs to 114 s
Gain	0.0 dB to 42.0 dB

I/Os and power

Non-isolated lines	4 biderectional I/O lines

I/Os and power

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))

Mechanical properties

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

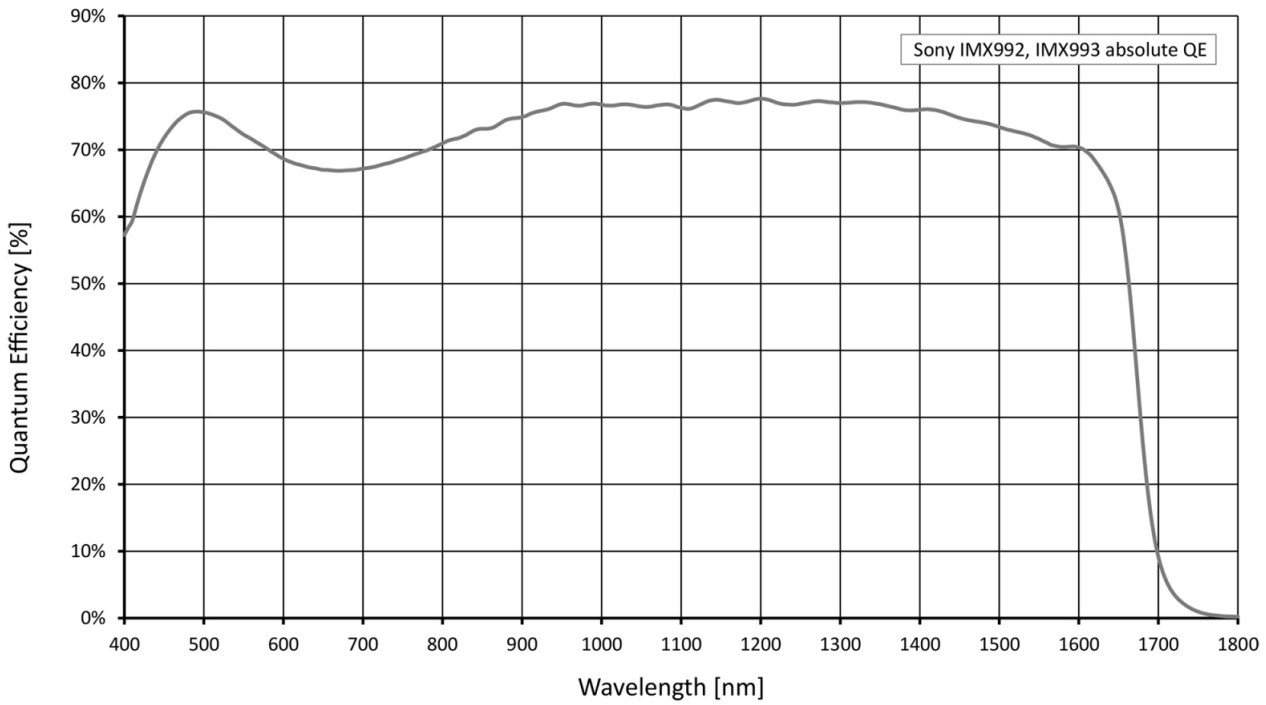
On-board memory and FPGA

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
Interface connector	RJ45

Quantum Efficiency



Technical Drawing

