

Goldeye Pro

Goldeye Pro G5-530 VSWIR TEC1

Goldeye Pro G5-530 VSWIR TEC1 5GBASE-T camera with global shutter Sony IMX992 SenSWIR InGaAs sensor enables short wave infrared (SWIR) imaging with industrial performance for various machine vision applications.

General

Model:	Goldeye Pro G5-530 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:	2,592 × 2,056 (5.30 MP)
Sensor model:	Sony IMX992 InGaAs
Sensor architecture (material):	InGaAs
Shutter type(s):	Global Shutter
Sensor size:	11.4 mm ø (Type 1/1.4)
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:	115 fps
------------------	---------

I/Os and power

Non-isolated lines:	4 bidirectional I/O lines
Opto-isolated lines:	1 input, 3 outputs

I/Os and power

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): -20 °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

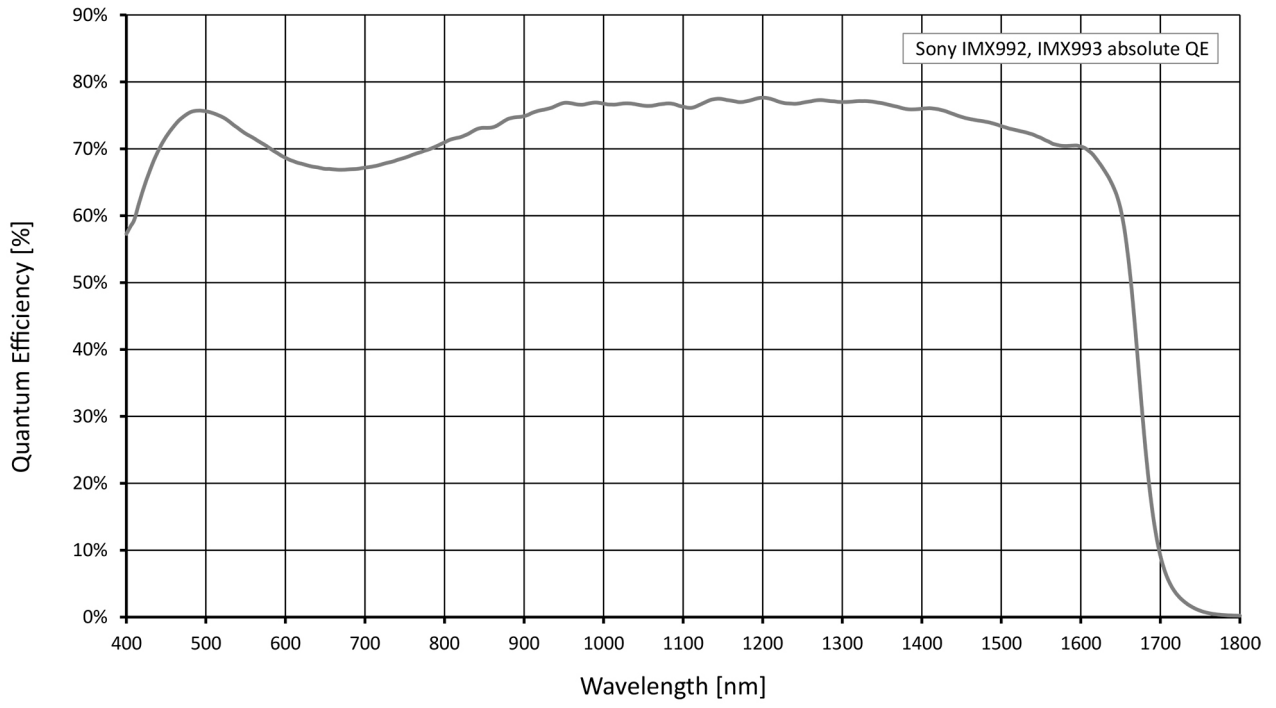
Image buffer (RAM): 256 MByte

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

Quantum Efficiency



Technical Drawing

