Allied Vision

Alvium G5

Alvium G5-530 VSWIR



Alvium G5-530 VSWIR innovative 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	Alvium G5-530 VSWIR
Product series	Alvium G5
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)	cmos-ingaas
Shutter type(s)	Global shutter (GS)
Sensor size	8.9 × 7.1 mm (11.4 mm, Type 1/1.4)
Pixel size	3.45 µm × 3.45 µm

Pixel formats

Sensor bit depth	10-bit, 12-bit, 8-bit
Monochrome pixel formats	Mono8 (default)

Timing and gain

Max. frame rate	84 fps
Exposure time	36 µs to 10 s
Gain	0.0 dB to 42.0 dB

I/Os and power

Non-isolated lines	2 GPIOs (LVTTL)
Opto-isolated lines	1 input, 1 output
Power supply	10.8 to 26.4 VDC AUX | IEEE 802.3af, Power Class 0 PoE
Power consumption	External power: 6.2 W at 12 VDC (typical) | Power over Ethernet: 6.7 W (typical)

Operating conditions

Operating temperature	-20 °C to 50 °C (housing)

Mechanical properties

Body dimensions (L x W x H in mm)	60 × 29 × 29
Lens mount(s)	C-Mount, CS-Mount
Weight	100 g

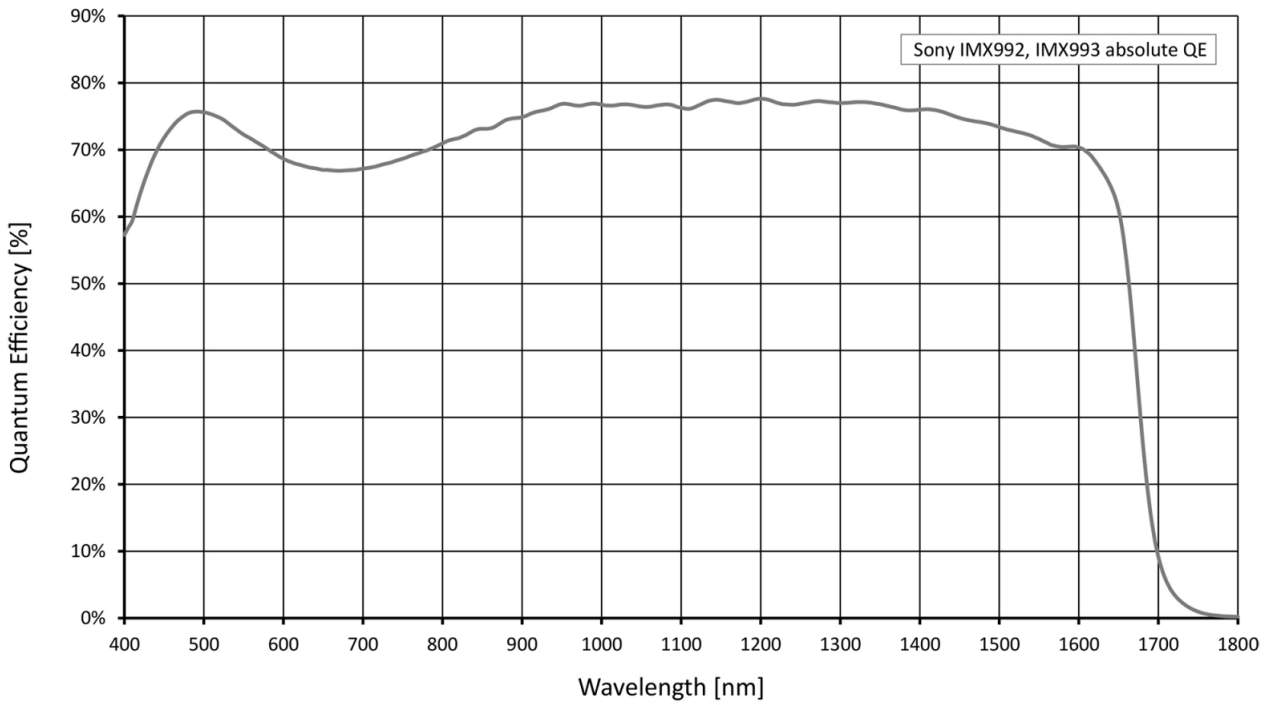
On-board memory and FPGA

Image buffer (RAM)	512 MByte
Non-volatile memory (Flash)	1024 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

