Alvium G1

Alvium G1-130 VSWIR



Alvium G1-130 VSWIR innovative GigE camera with global shutter Sony IMX990 SenSWIR InGaAs sensor enables short wave infrared (SWIR) imaging with industrial performance for various machine vision applications.

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□□□	Alvium G1-130 VSWIR
□□□□□□□	Alvium G1
□□□□□	Available

□□□□	
□□□□□□□□	Area scan
□□□	Mono
□□□□□	SWIR, Visible SWIR
□□□□□□□□	400 nm to 1700 nm
□□□	1,296 × 1,032 (1.30 MP)
□□□□□□□□	Sony IMX990 | InGaAs
□□□□□□□□□□□	cmos-ingaas
□□□□□□□□□	Global shutter (GS)
□□□□□□□□	6.4 × 5.1 mm (8.2 mm, Type 1/2)
□□□□□□□□	5.00 µm × 5.00 µm

□□□□□□□□□□	
□□□□□□□□□□	10-bit, 12-bit, 8-bit
□□□□□□□□□□□□□□□□	Mono8 (default)

□□□□□□□□□	
□□□□□□□□□□	88 fps
□□□□	19 µs to 10 s
□□□	0.0 dB to 42.0 dB

I/O□□□

□□□□	2 GPIOs (LVTTL)
□□□□	1 input, 1 output
□□	10.8 to 26.4 VDC AUX | IEEE 802.3af, Power Class 0 PoE
□□□□	External power: 2.9 W at 12 VDC (typical) | Power over Ethernet: 3.2 W (typical)

□□□□

□□□□	-20 °C to 55 °C (□□)

□□□□□

□□□□□L x W x H mm□	41 × 29 × 29
□□□□□□□□	C-Mount, CS-Mount
□□	70 g

□□□□□□□□□FPGA

□□□□□□□RAM□	32 MByte
□□□□□□□□□□□□□□□	1024 KByte

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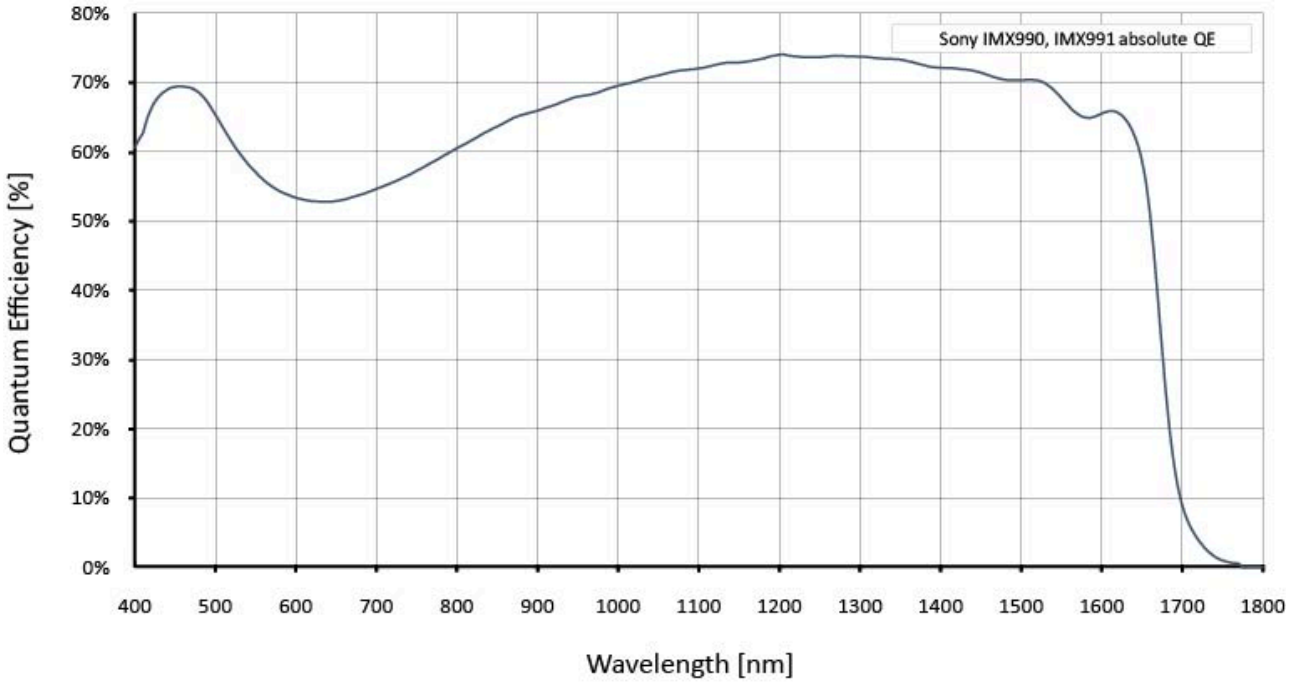
□□□□□□□□□□□□□	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)

Quantum Efficiency



Technical Drawing

