Alvium 1800 U

Alvium 1800 U-130 VSWIR



Alvium 1800 U-130 VSWIR innovative USB camera with Sony IMX990 SenSWIR InGaAs global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

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□□□	Alvium 1800 U-130 VSWIR
□□□□□□□	Alvium 1800 U
□□□□□	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

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

□□□□□□□□□	
□□□□□□□□□□	130 fps
□□□□	15 µs to 10 s
□□□	0.0 dB to 42.0 dB

I/O□□□

□□□□	4 programmable GPIOs
□□	Power over USB 3.1 Gen 1 | External power 5.0 V
□□□□	USB power: 2.1 W (typical) | Ext. power: 2.3 W (typical)

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□□□□	-20 °C to 55 °C (□□)

□□□□□

□□□□□L x W x H mm□	38 × 29 × 29
□□□□□□□□	C-Mount, CS-Mount, S-Mount
□□	65 g

□□□□□□□□□□FPGA

□□□□□□□□RAM□	256 KByte
□□□□□□□□□□□□□□□□	1024 KByte

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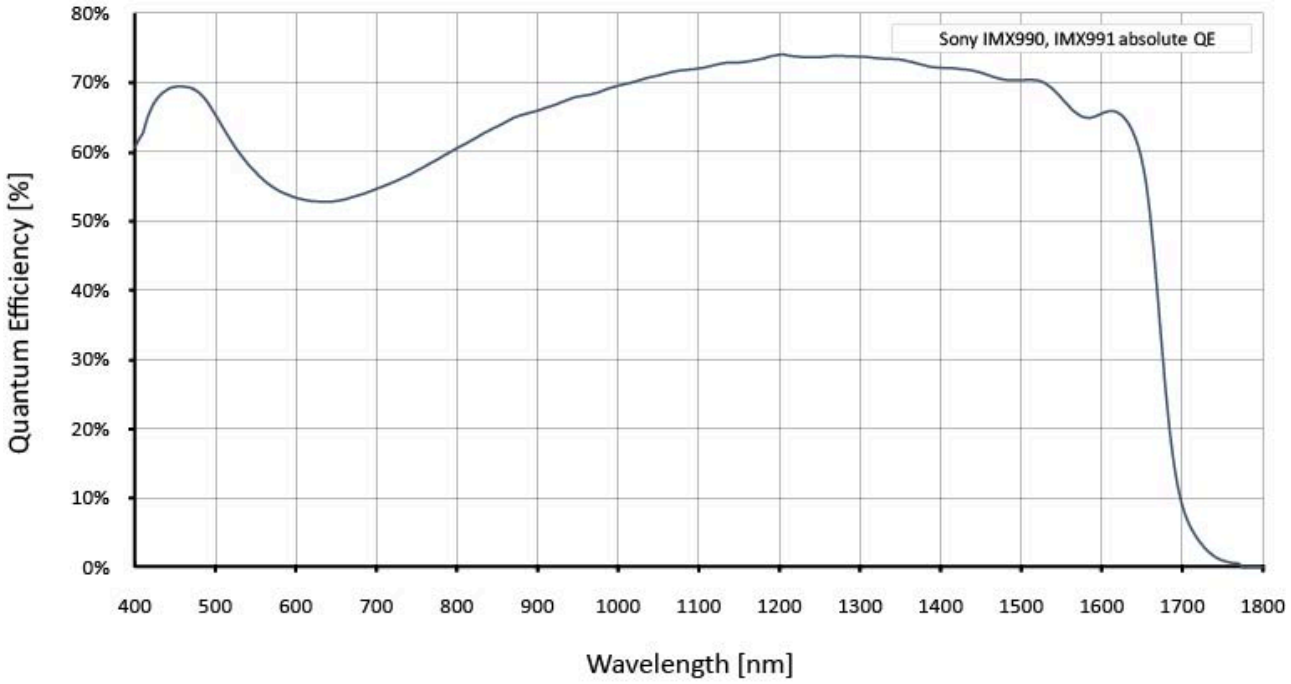
□□□□□□□□□□□□□□	usb3.0
□□□□□□□	USB3 Vision

Quantum Efficiency



Technical Drawing

