Alvium 1800 U

Alvium 1800 U-530 VSWIR



Alvium 1800 U-530 VSWIR innovative USB camera with Sony IMX992 SenSWIR InGaAs global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

□□	
□□	Alvium 1800 U-530 VSWIR
□□ □□□	Alvium 1800 U
□□	Available

□□	
□□ □□	Area scan
□□□	Mono
□□□□	SWIR, Visible SWIR
□□□□ □□	400 nm to 1700 nm
□□□	2,592 × 2,056 (5.30 MP)
□□ □□	Sony IMX992 | InGaAs
□□ □□□□ (□□)	InGaAs
□□ □□	Global shutter (GS)
□□ □□	8.9 × 7.1 mm (11.4 mm, Type 1/1.4)
□□ □□	3.45 µm × 3.45 µm

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

□□□ □ □□	
□□ □□□ □□	77 fps
□□ □□	38 µs to 10 s
□□	0.0 dB to 42.0 dB

Allied Vision

I/O □ □□

□□□ □□	4 programmable GPIOs
□□ □□ □□	Power over USB 3.1 Gen 1 | External power 5.0 V
□□ □□	USB power: 2.9 W (typical) | External power: 2.9 W (typical)

□□ □□

□□ □□	-20 °C to 55 °C (□□□)

□□□ □□

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

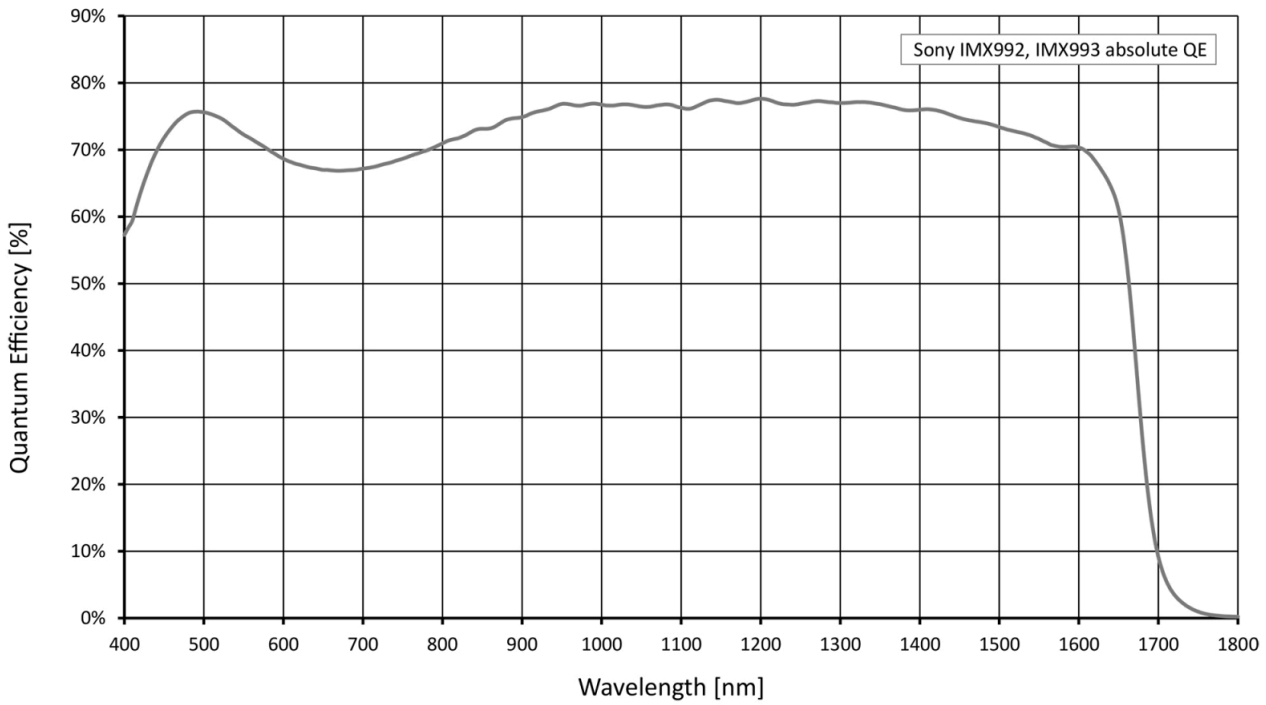
□□□ □□□ □ FPGA

□□□ □□ (RAM)	256 KByte
□□□□ □□□ (□□□)	1024 KByte

□□□□□

□□□ □□□□□	usb3.0
□□ □□	USB3 Vision

Quantum Efficiency



Technical Drawing

