Alvium 1800 U

Alvium 1800 U-320 VSWIR



Alvium 1800 U-320 VSWIR innovative USB camera with Sony IMX993 SenSWIR InGaAs global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

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□□	Alvium 1800 U-320 VSWIR
□□ □□□	Alvium 1800 U
□□	Available

□□	
□□ □□	Area scan
□□□	Mono
□□□□	SWIR, Visible SWIR
□□□□ □□	400 nm to 1700 nm
□□□	2,080 × 1,544 (3.20 MP)
□□ □□	Sony IMX993 | InGaAs
□□ □□□□ (□□)	cmos-ingaas
□□ □□	Global shutter (GS)
□□ □□	7.2 × 5.3 mm (8.9 mm, Type 1/1.8)
□□ □□	3.45 µm × 3.45 µm

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

□□□ □ □□	
□□ □□□ □□	123 fps
□□ □□	34 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: 2.8 W (typical) | External power: 2.8 W (typical)

□□ □□

□□ □□	-20 °C to 55 °C (□□□)

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

□□□ □□□ □ FPGA

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

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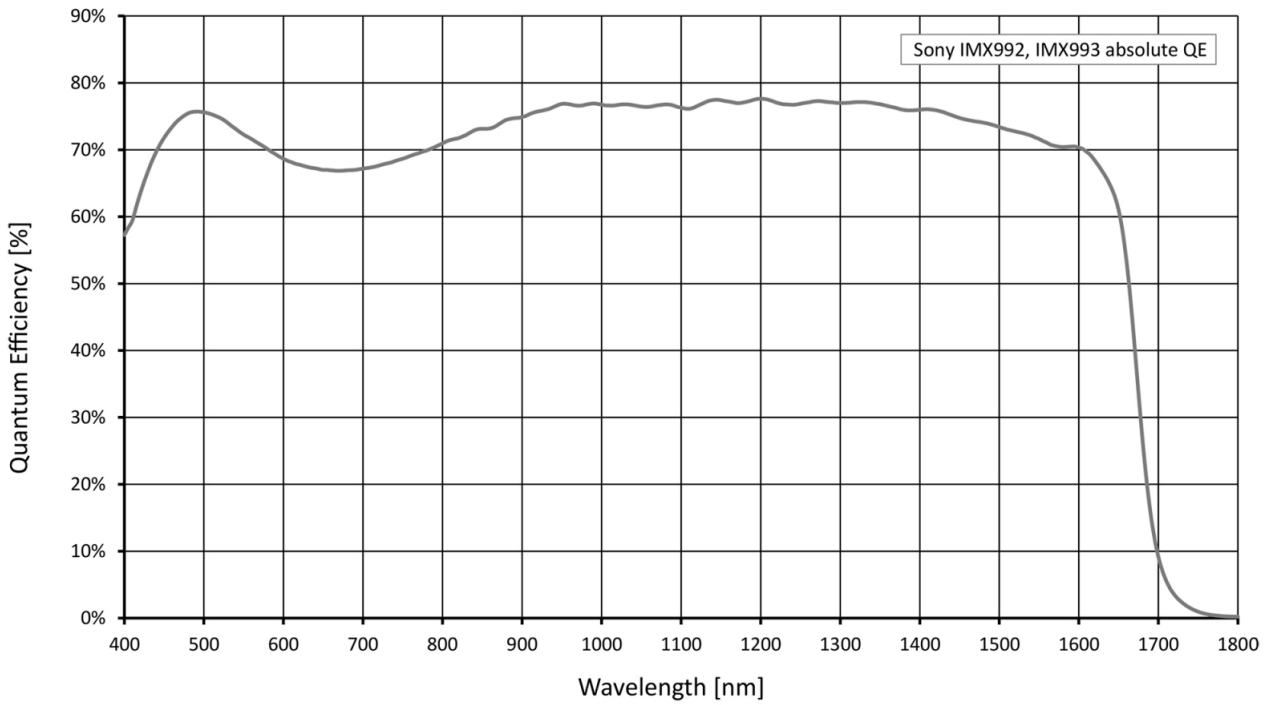
□□□ □□□□□	usb3.0
□□ □□	USB3 Vision

Quantum Efficiency



Technical Drawing

