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

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□□□□□□□	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)

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

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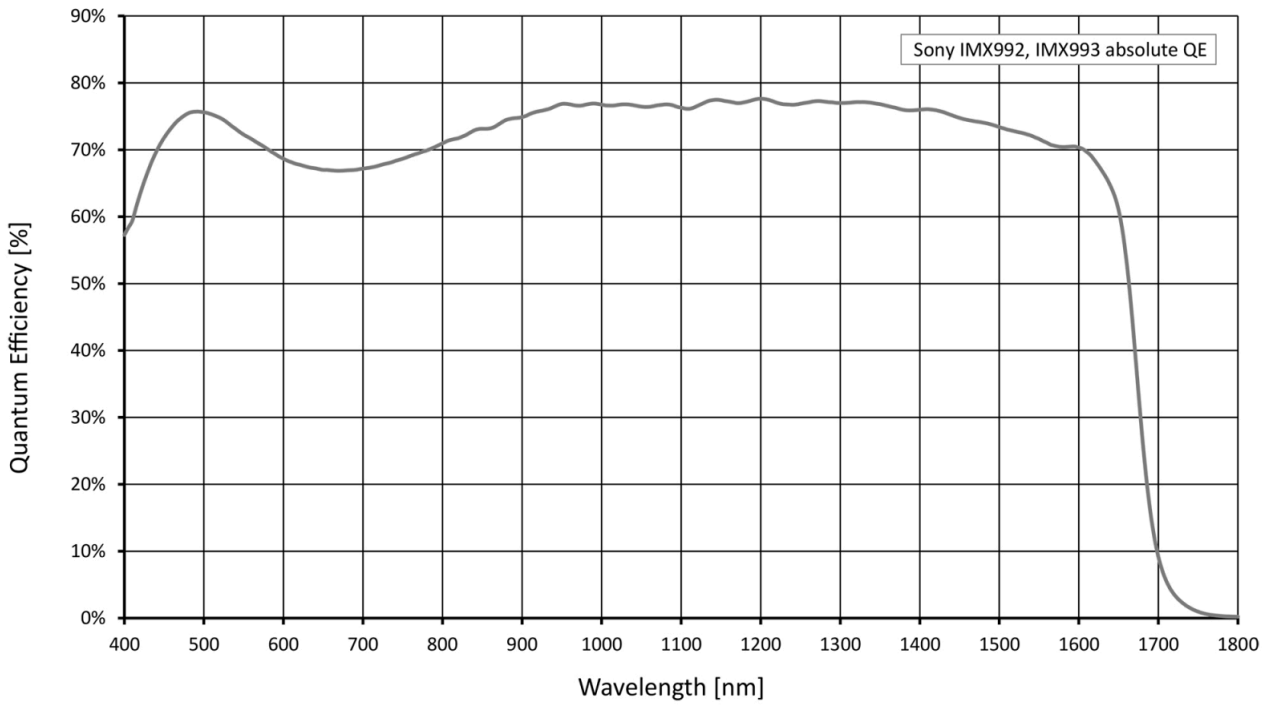
□□□□□□□□□□□□□□	usb3.0
□□□□□□□	USB3 Vision

Quantum Efficiency



Technical Drawing

