Alvium 1800 U

Alvium 1800 U-511



Alvium 1800 U-511 innovative USB camera with Sony IMX547 global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

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□□□	Alvium 1800 U-511
□□□□□□□	Alvium 1800 U
□□□□□	Available

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□□□□□□□□	Area scan
□□□	Color, Mono
□□□□□	Visible
□□□□□□□□	300 nm to 1100 nm
□□□	2,464 × 2,064 (5.10 MP)
□□□□□□□□	Sony IMX547
□□□□□□□□□□□	cmos
□□□□□□□□□	Global shutter (GS)
□□□□□□□□	6.8 × 5.7 mm (8.8 mm, Type 1/1.8)
□□□□□□□□	2.74 µm × 2.74 µm

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□□□□□□□□□□	12-bit
YUV□□□□□□□□□□□	YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr
RGB□□□□□□□□□□□	BGR8, RGB8 (default)
□□□□□□□□□□□□□□□	BayerRG12

□□□□□□□□	
□□□□ @ 529 nm	68 %

□□□□□□□□□□

□□□□□□□□□□	79 fps
□□□□	8 µs to 10 s
□□□	0.0 dB to 48.0 dB

I/O□□□

□□□□	4 programmable GPIOs
□□	Power over USB 3.1 Gen 1 | External power 5.0 V
□□□□	USB power: 3.2 W (typical) | Ext. power: 3.4 W (typical)

□□□□

□□□□□□□□□	-20 °C to 65 °C ((housing))

□□□□□

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

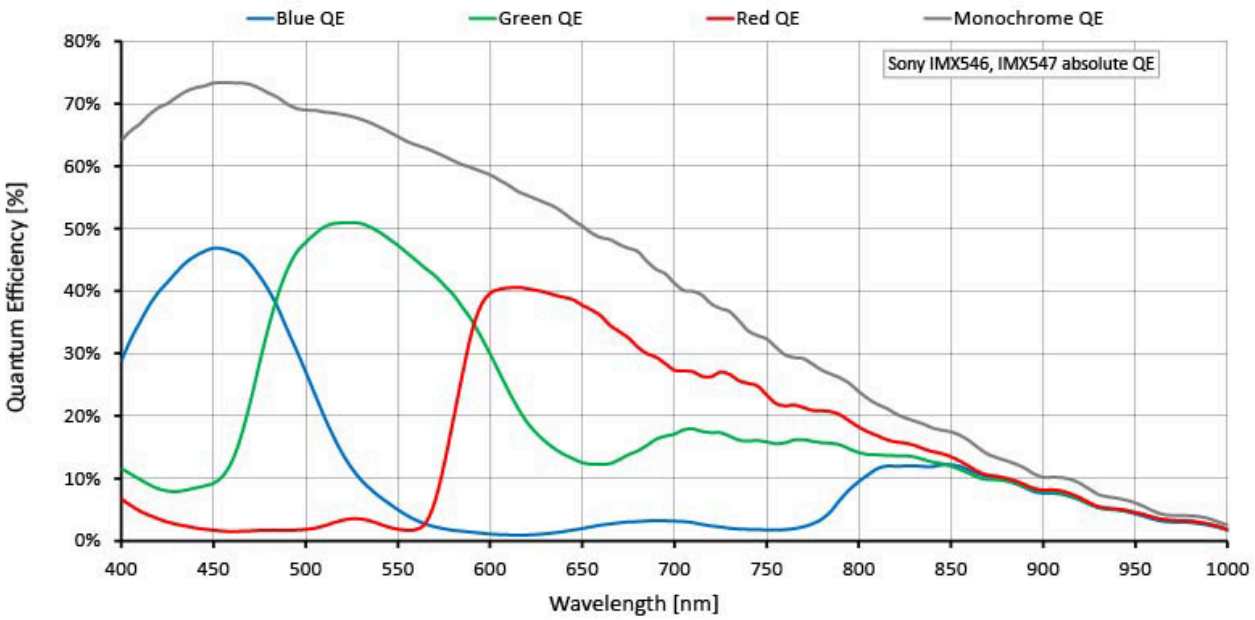
□□□□□□□□□FPGA

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

□□□□□□□□

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

Quantum Efficiency



Technical Drawing

