Alvium 1800 U

Alvium 1800 U-507



Alvium 1800 U-507 innovative USB camera with Sony IMX264 CMOS global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

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□□□	Alvium 1800 U-507
□□□□□□□	Alvium 1800 U
□□□□□	Available

□□□□	
□□□□□□□□	Area scan
□□□	Color, Mono
□□□□□	Visible
□□□□□□□□	300 nm to 1100 nm
□□□	2,464 × 2,056 (5.10 MP)
□□□□□□□□	Sony IMX264
□□□□□□□□□□□	cmos
□□□□□□□□□	Global shutter (GS)
□□□□□□□□	8.5 × 7.1 mm (11.1 mm, Type 2/3)
□□□□□□□□	3.45 µm × 3.45 µm

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

□□□□□□□□	
□□□□ @ 529 nm	64 %

□□□□□□□□□□

□□□□□□□□□□	34 fps
□□□□	28 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: 2.0 W (typical) | Ext. power: 2.2 W (typical)

□□□□

□□□□	-20 °C to 65 °C (□□)

□□□□□

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

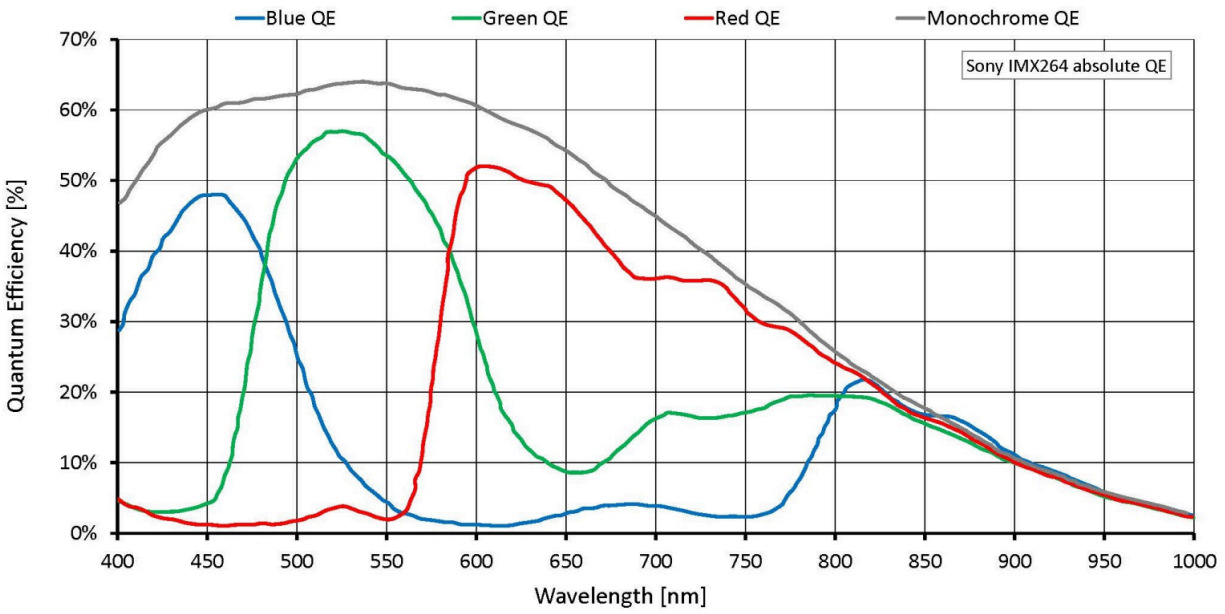
□□□□□□□□□FPGA

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

□□□□□□□□

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

Quantum Efficiency



Technical Drawing

