Alvium 1800 U

Alvium 1800 U-203



Alvium 1800 U-203 innovative USB camera with Sony IMX422 CMOS global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

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□□□	Alvium 1800 U-203
□□□□□□□	Alvium 1800 U
□□□□□	Available

□□□□	
□□□□□□□□	Area scan
□□□	Color, Mono
□□□□□	Visible
□□□□□□□□	300 nm to 1100 nm
□□□	1,632 × 1,248 (2.00 MP)
□□□□□□□□	Sony IMX422
□□□□□□□□□□□	cmos
□□□□□□□□□	Global shutter (GS)
□□□□□□□□	7.3 × 5.6 mm (9.2 mm, Type 1/1.7)
□□□□□□□□	4.50 µm × 4.50 µm

□□□□□□□□□□	
□□□□□□□□□□	10-bit, 12-bit, 8-bit
YUV□□□□□□□□□□□	YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr
RGB□□□□□□□□□□□	BGR8, RGB8 (default)
□□□□□□□□□□□□□□□	BayerRG12

□□□□□□□□□	
□□□□□□□□□	200 fps

□□□□□□□□□□

□□□□	16 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: 3.3 W (typical) | Ext. power: 3.3 W (typical)

□□□□

□□□□	-20 °C to 65 °C (□□)

□□□□□

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

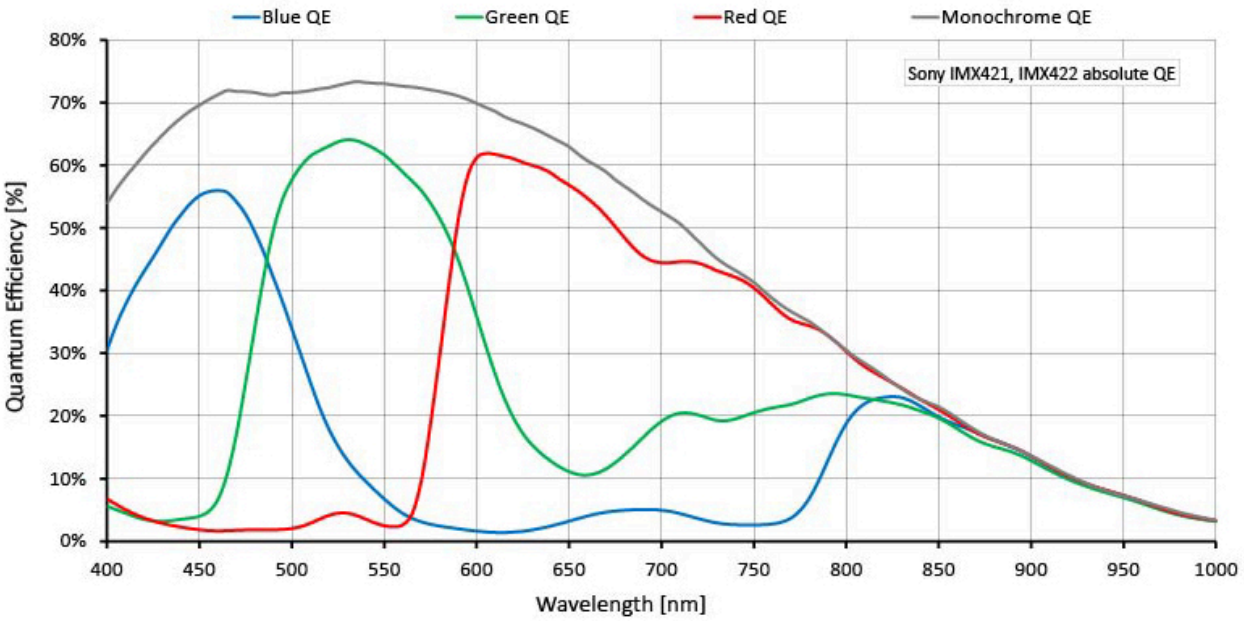
□□□□□□□□□□FPGA

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

□□□□□□□□□

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

Quantum Efficiency



Technical Drawing

