Alvium 1800 U

Alvium 1800 U-2050



Alvium 1800 U-2050 innovative USB3 Vision camera with Sony IMX183 CMOS rolling shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

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□□	Alvium 1800 U-2050
□□□□	Alvium 1800 U
□□	Available

□□□	
□□□□□	Area scan
□□	Color, Mono
□□	Visible
□□□□	300 nm to 1100 nm
□□□	5,496 × 3,672 (20.20 MP)
□□□□□	Sony IMX183
□□□□□□□□□	cmos
□□□□	Global Reset Shutter, Rolling shutter (RS)
□□□□□	13.1 × 8.8 mm (15.9 mm, Type 1)
□□□□	2.40 µm × 2.40 µm

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

□□□□	
□□□□ @ 529 nm	80 %

□□□□□

□□□□	21 fps
□□□□	15 µs to 10 s
□□	0.0 dB to 27.0 dB

I/O□□□

□□□□□IO	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 (□□)

□□□□

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

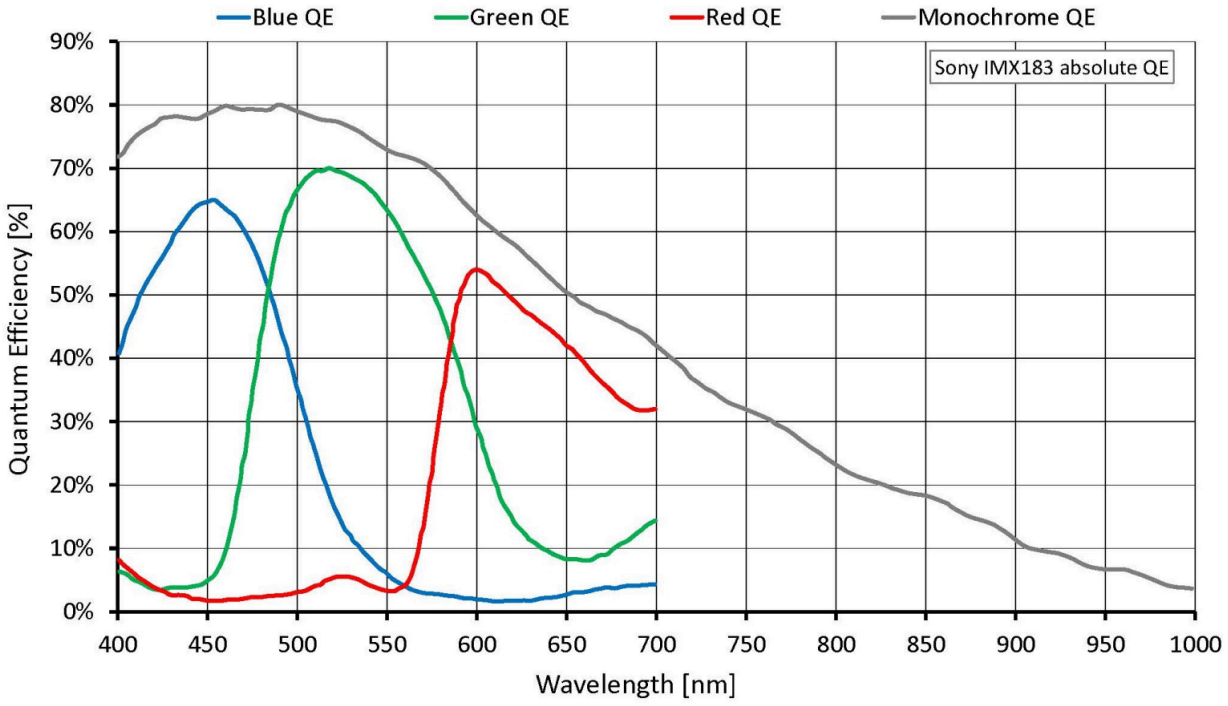
□□□□□FPGA

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

□□

□□□□	usb3.0
□□□□	USB3 Vision

Quantum Efficiency



Technical Drawing

