Alvium C

Alvium 1800 C-291



Alvium 1800 C-291 innovative MIPI CSI-2 camera with Sony IMX421 CMOS global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

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□□	Alvium 1800 C-291
□□□□	Alvium C
□□	Available

□□□	
□□□□□	Area scan
□□	Color, Mono
□□	Visible
□□□□	300 nm to 1100 nm
□□□	1,944 × 1,472 (2.90 MP)
□□□□□	Sony IMX421
□□□□□□□□□	cmos
□□□□	Global shutter (GS)
□□□□□	8.8 × 6.6 mm (10.8 mm, Type 2/3)
□□□□	4.50 µm × 4.50 µm

□□□□	
□□□□□□	10-bit, 12-bit, 8-bit
□□□□□□	GREY, RAW10, RAW12, RAW8, Y10, Y12
YUV□□□□	UYVY, YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr, YUV422 8-bit
RGB□□□□	BGR8, RGB3, RGB8 (default), RGB888 (default)
□□□□□□	BayerGR10, BayerGR10p, BayerGR12, BayerGR12p, BayerGR8

□□□□

□□□□ @ 529 nm	73 %

□□□□□

□□□□	166 fps
□□□□	17 µs to 10 s
□□	0.0 dB to 48.0 dB

I/O□□□

□□□□□IO	2 programmable GPIOs
□□□□	5 VDC over MIPI CSI-2
□□	Typical: 3.8 W

□□□□

□□□□	-20 °C to 65 °C (□□)

□□□□

□□□□□L x W x H mm□	26 × 29 × 29
□□□□	C-Mount, CS-Mount
□□	40 g

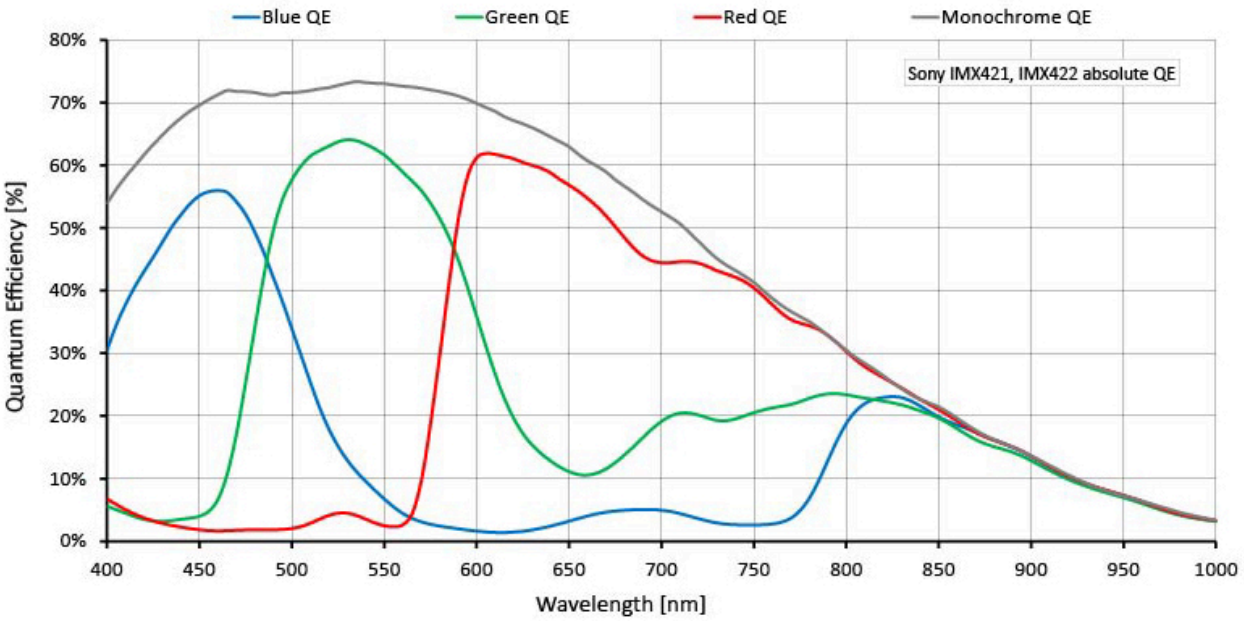
□□□□□FPGA

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

□□

□□□□	MIPI CSI-2, up to 4 lanes

Quantum Efficiency



Technical Drawing

