



Alvium GM2

Alvium GM2-530 VSWIR

Preliminary product information. Features and technical specifications are subject to change without notice.

Alvium GM2-530 VSWIR innovative GMSL2 camera with Sony IMX992 SenSWIR InGaAs global shutter sensor provides industrial performance for cost effective embedded vision applications.

一般

型號:	Alvium GM2-530 VSWIR
產品系列:	Alvium GM2
狀態:	Prototype/engineering sample

感測器

感測器類型:	Area scan
色度:	Mono
光譜:	SWIR, Visible SWIR
光譜範圍:	400 nm to 1700 nm
解析度:	2,592 × 2,056 (5.30 MP)
感測器型號:	Sony IMX992 InGaAs
感測器架構 (材料):	InGaAs
快門類型:	Global Shutter
感測器尺寸:	11.4 mm \varnothing (Type 1/1.4)
像素大小:	3.45 μm × 3.45 μm

像素格式

感測器位深:	8-bit, 10-bit, 12-bit; Adaptive (10-bit, 12-bit)
單色像素格式:	Mono8, Mono10, Mono10p, Mono12, Mono12p, RAW8, RAW10, RAW12, GREY, Y10, Y12
Bayer 像素格式:	BayerGR8, BayerGR10, BayerGR10p, BayerGR12, BayerGR12p

時序與增益

最大影格率:	Mainly depends on hardware and register settings.
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I/O 與電源

非隔離線:	2 programmable GPIOs
I/O 連接器:	Coax, STP
電源供應:	5 VDC over MIPI CSI-2
功耗:	Value for the integrated serializer adds to CSI-2 model value.

操作條件

操作溫度 (機殼):	-20 °C to 65 °C (housing)
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機械特性

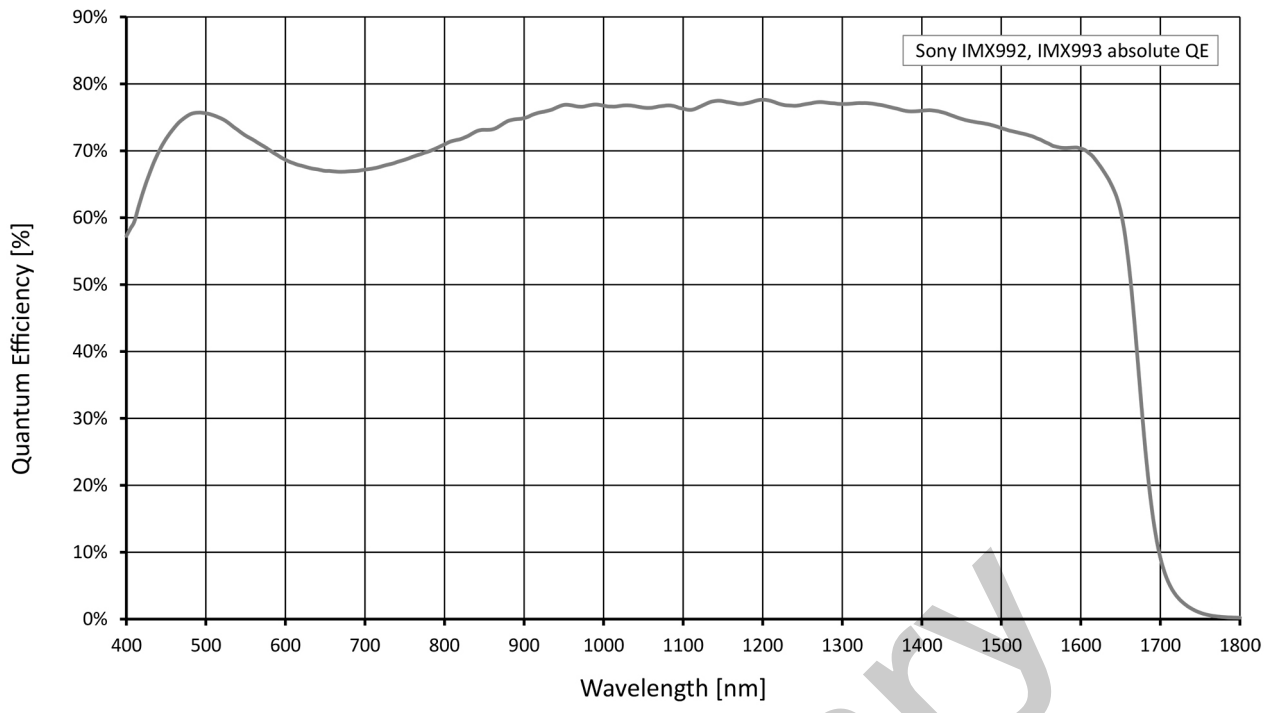
機殼尺寸 (長 x 寬 x 高 mm):	41 × 29 × 29
鏡頭接口:	C-Mount, CS-Mount
重量:	70 g

板載記憶體與 FPGA

影像緩衝區 (RAM):	256 KByte
非揮發性記憶體 (Flash):	1024 KByte

介面

數位介面:	GMSL2, based on MIPI CSI-2, up to 4 lanes
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preliminary

