Allied Vision

Alvium G5

Alvium G5-812 UV



Alvium G5-812 UV innovative 5GBASE-T camera with Sony IMX487 CMOS global shutter sensor provides industrial performance for cost effective machine vision applications.

一般

型號	Alvium G5-812 UV
產品系列	Alvium G5
狀態	Available

感測器

感測器類型	Area scan
色度	Mono
光譜	UV
光譜範圍	200 nm to 1000 nm
解析度	2,848 × 2,848 (8.10 MP)
感測器型號	Sony IMX487
感測器架構 (材料)	cmos
快門類型	Global shutter (GS)
感測器尺寸	7.8 × 7.8 mm (11 mm, Type 2/3)
像素大小	2.74 µm × 2.74 µm

像素格式

感測器位深	12-bit
單色像素格式	Mono8 (default)

時序與增益

最大影格率	58 fps
曝光時間	8 µs to 10 s
增益	0.0 dB to 48.0 dB

I/O 與電源

非隔離線	2 GPIOs (LVTTL)
光隔離線	1 input, 1 output
電源供應	10.8 to 26.4 VDC AUX | IEEE 802.3af, Power Class 0 PoE
功耗	External power: 7.2 W at 12 VDC (typical) | Power over Ethernet: 7.6 W (typical)

操作條件

操作溫度 (機殼)	-20 °C to 60 °C (housing temperature)

機械特性

機殼尺寸 (長 x 寬 x 高 mm)	60 × 29 × 29
鏡頭接口	C-Mount, CS-Mount
重量	100 g

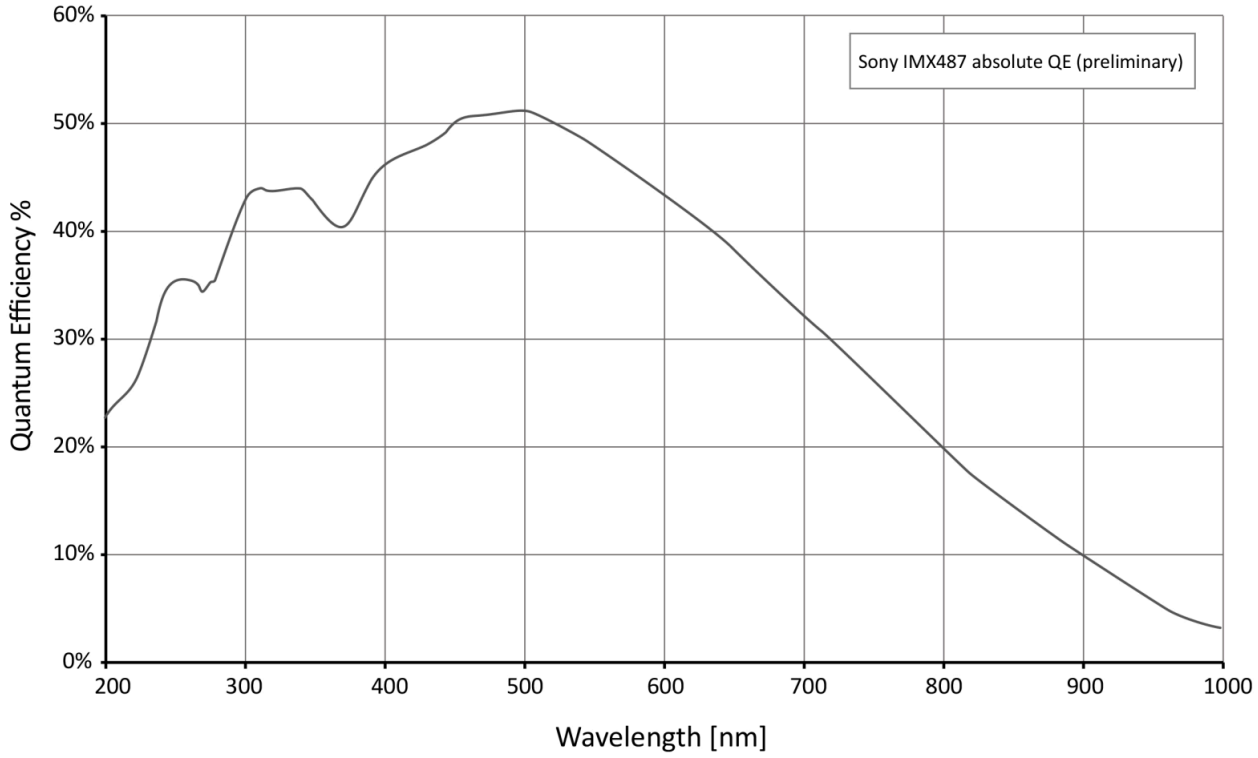
板載記憶體與 FPGA

影像緩衝區 (RAM)	512 MByte
非揮發性記憶體 (Flash)	1024 KByte

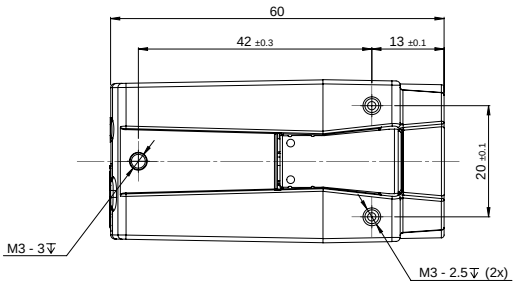
介面

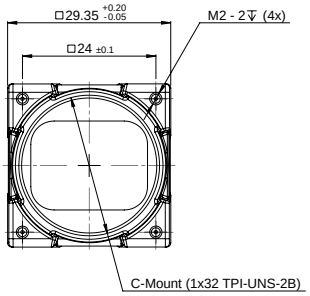
數位介面	IEEE 802.3: 5GBASE-T or 2.5GBASE-T (NBASE-T) and 1000BASE-T, IEEE 802.3af Power Class 0 PoE

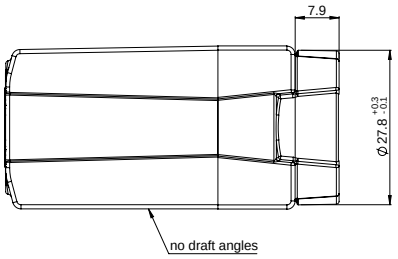
量子效率

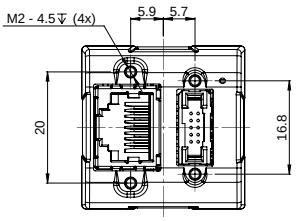

Sony IMX487 absolute QE (preliminary)
Quantum Efficiency %
60%
50%
40%
30%
20%
10%
0%
200
300
400
500
600
700
800
900
1000
Wavelength [nm]

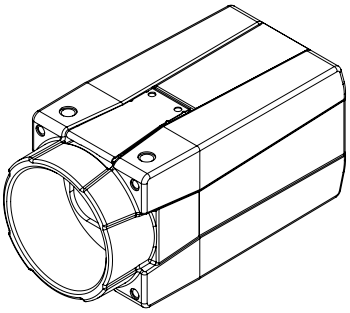
技術圖紙

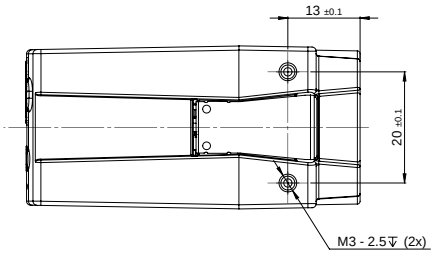


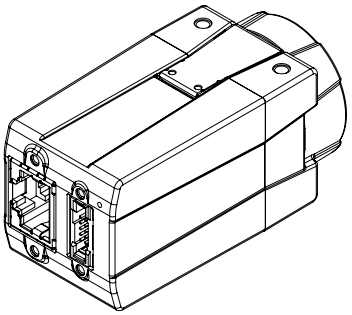












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