

Allied Vision

Alvium G5

Alvium G5-508 Pol

Alvium G5-508 Pol innovative 5GBASE-T camera with Sony IMX250MZR CMOS global shutter sensor provides industrial performance for cost effective machine vision applications.

一般	
型號	Alvium G5-508 Pol
產品系列	Alvium G5
狀態	Available

感測器	
感測器類型	Area scan
色度	Mono, Polarizer
光譜	Visible
光譜範圍	300 nm to 1100 nm
解析度	2,464 × 2,056 (5.10 MP)
感測器型號	Sony IMX250 Polarizer
感測器架構 (材料)	cmos
快門類型	Global shutter (GS)
感測器尺寸	8.5 × 7.1 mm (11.1 mm, Type 2/3)
像素大小	3.45 µm × 3.45 µm

像素格式	
感測器位深	10-bit, 12-bit, 8-bit
Bayer 像素格式	BayerRG12

時序與增益	
最大影格率	95 fps
曝光時間	19 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: 6.1 W at 12 VDC (typical) | Power over Ethernet: 7.0 W (typical)

操作條件

操作溫度	-20 °C to 60 °C (機殼)

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

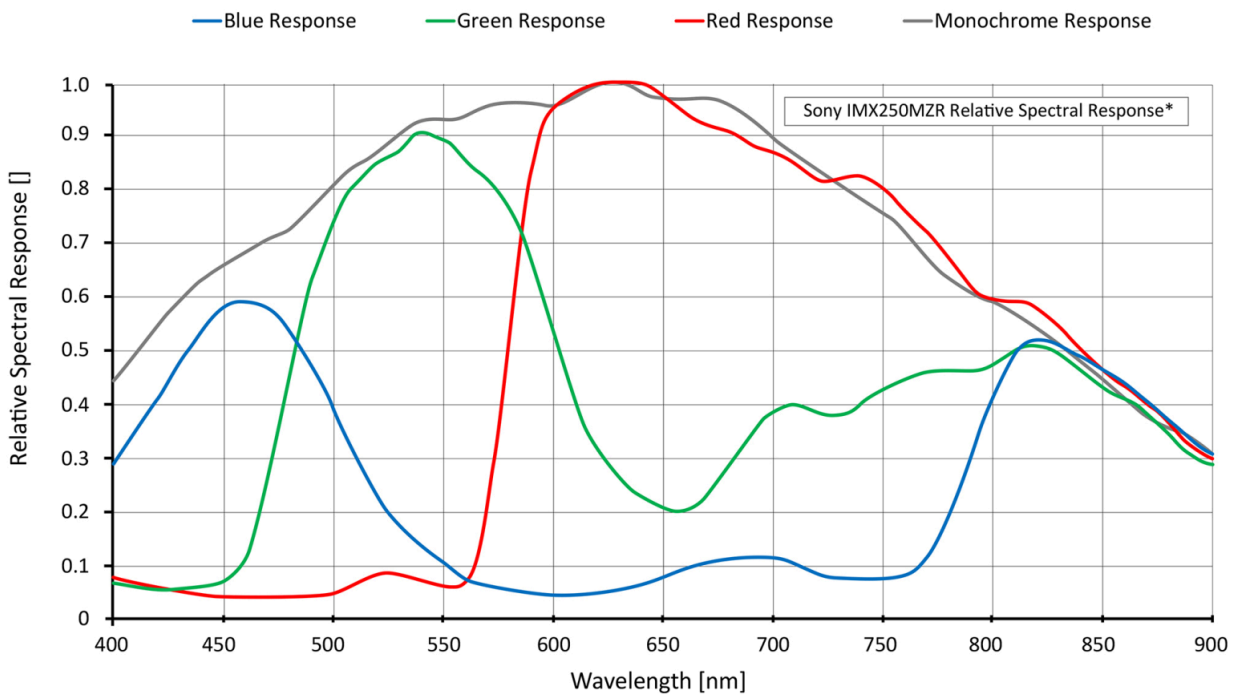
板載記憶體與 FPGA

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

介面

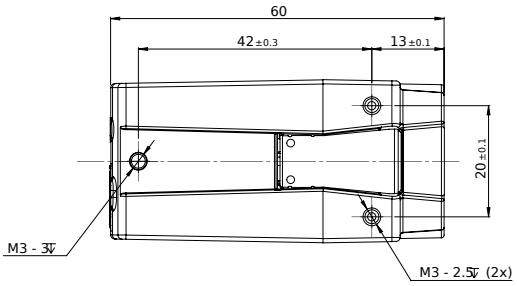
數位介面	IEEE 802.3: 5GBASE-T or 2.5GBASE-T (NBASE-T) and 1000BASE-T, IEEE 802.3af Power Class 0 PoE

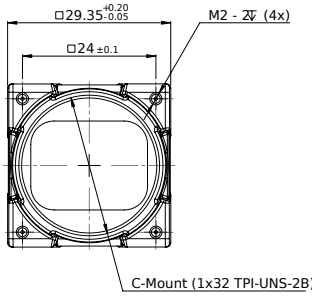
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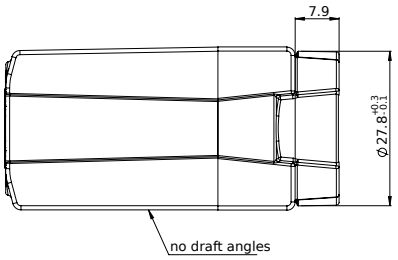


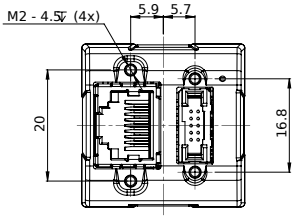
*Note: The spectral response depends on the illumination's degree of polarization.

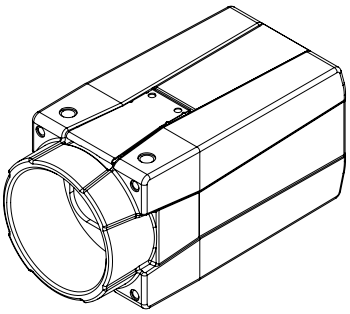
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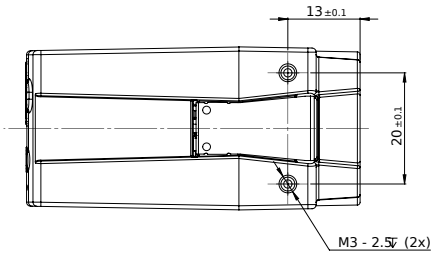

60
42 ±0.3
13 ±0.1
20 ±0.1
M3 - 3↧
M3 - 2.5↧ (2x)


□29.35 +0.20 -0.05
□24 ±0.1
M2 - 2↧ (4x)
C-Mount (1x32 TPI-UNS-2B)


7.9
Ø27.8 +0.3 -0.1
no draft angles


M2 - 4.5↧ (4x)
5.9
5.7
20
16.8




13 ±0.1
20 ±0.1
M3 - 2.5↧ (2x)

