

Allied Vision

Goldeye CL

Goldeye CL-034 XSWIR 1.9 TEC2

Goldeye CL-034 XSWIR 1.9 TEC2 high-speed camera is the fastest VGA resolution extended short wave infrared camera (XSWIR) with GigE Vision interface. Frame rates up to 303 fps at full resolution enable you to access versatile application fields and to speed up your processes.

般	
型號	Goldeye CL-034 XSWIR 1.9 TEC2
產品系列	Goldeye CL
狀態	Available

感測器	
感測器類型	Area scan
色度	Mono
光譜	SWIR, eXtended SWIR
光譜範圍	1100 nm to 1900 nm
解析度	636 × 508 (0.32 MP)
感測器型號	Progressive scan 0.32 MP
感測器架構 (材料)	cmos-ingaas
快門類型	Global shutter (GS)
感測器尺寸	9.54 × 7.62 mm (12.2 mm, Type 1)
像素大小	15.00 µm × 15.00 µm

像素格式	
感測器位深	14-bit
單色像素格式	Tap geometry 1X 1Y: Mono8, Tap geometry 1X2 1Y: Mono8

時序與增益	
最大影格率	303 fps
曝光時間	1 µs to 20.00 ms
增益	0.0 dB to 33.0 dB

I/O 與電源

非隔離線	LVTTL I/Os: 1 input, 1 output
特定非隔離線	115 200 Baud, 8N1 (adjustable)
光隔離線	1 input, 2 outputs
電源供應	10.8 V to 30.0 V
功耗	21 W at 12 VDC

操作條件

操作溫度	-20 °C to 55 °C (機殼)

機械特性

機殼尺寸 (長 x 寬 x 高 mm)	90 × 80 × 80
重量	740 g

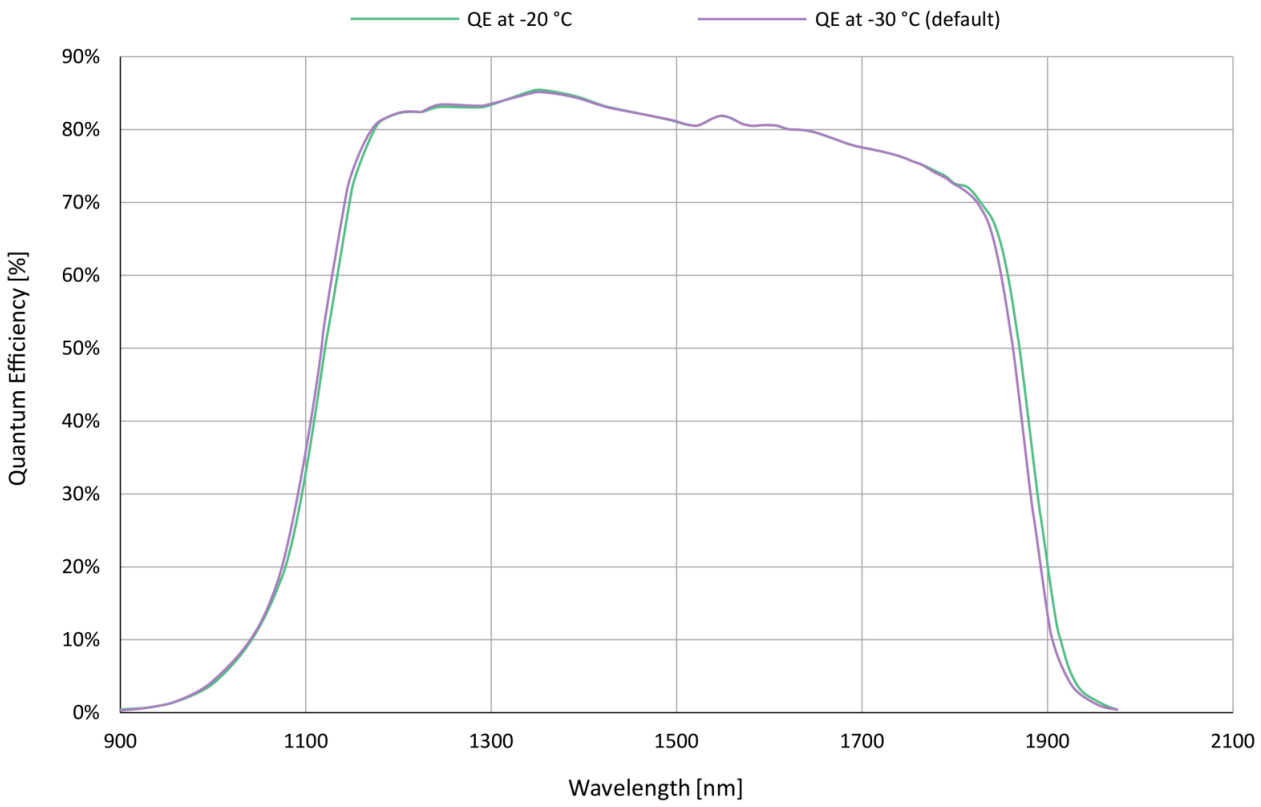
板載記憶體與 FPGA

影像緩衝區 (RAM)	256 MByte

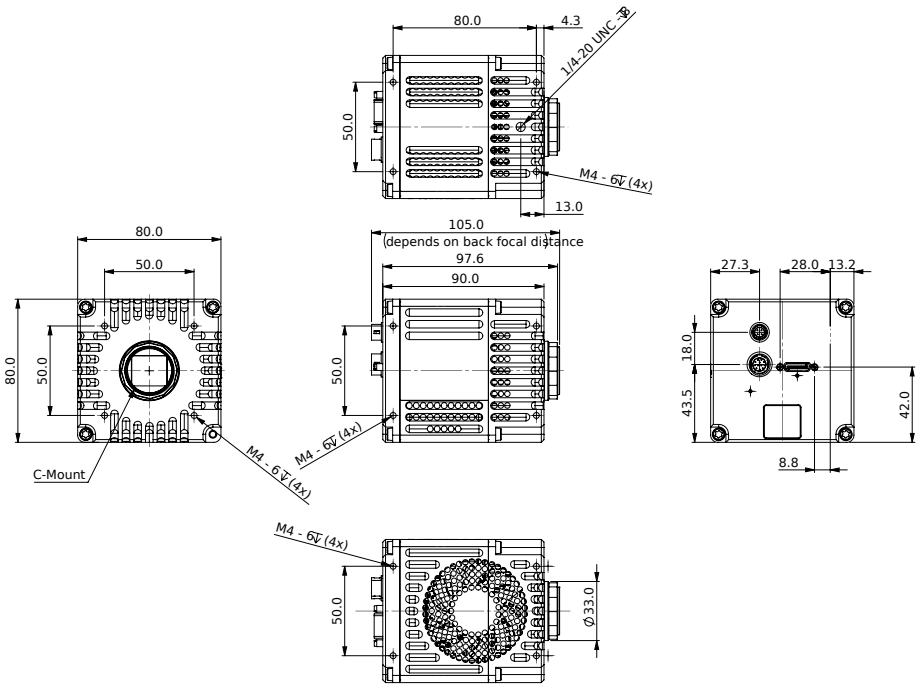
介面

數位介面	Camera Link Base

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QE at -20 °C
QE at -30 °C (default)
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Quantum Efficiency [%]
900
1100
1300
1500
1700
1900
2100
Wavelength [nm]

□□□□


80.0
4.3
1/4-20 UNC - 3B
50.0
M4 - 6H (4x)
13.0
105.0
(depends on back focal distance
97.6
90.0
80.0
50.0
80.0
50.0
C-Mount
M4 - 6H (4x)
M4 - 6H (4x)
M4 - 6H (4x)
50.0
Ø33.0
27.3
28.0
13.2
18.0
43.5
42.0
8.8