

Allied Vision

Goldeye CL

Goldeye CL-008 SWIR Cool TEC1

The Goldeye CL-008 Cool TEC1 is one of the fastest QVGA resolution SWIR cameras with Camera Link interface. With frame rates up to 344 fps at full resolution, versatile application fields can be addressed and processes can be sped up strongly. To enable low-noise imaging in the spectral range from 900 nm to

般	
型號	Goldeye CL-008 SWIR Cool TEC1
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
光譜範圍	900 nm to 1700 nm
解析度	320 × 256 (0.08 MP)
感測器型號	Progressive scan 0.08 MP
感測器架構 (材料)	cmos-ingaas
快門類型	Global shutter (GS)
感測器尺寸	9.6 × 7.68 mm (12.3 mm, Type 1)
像素大小	30.00 µm × 30.00 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	344 fps
曝光時間	6 µs to 1 s
增益	0.0 dB to 24.0 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	10.5 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	760 g

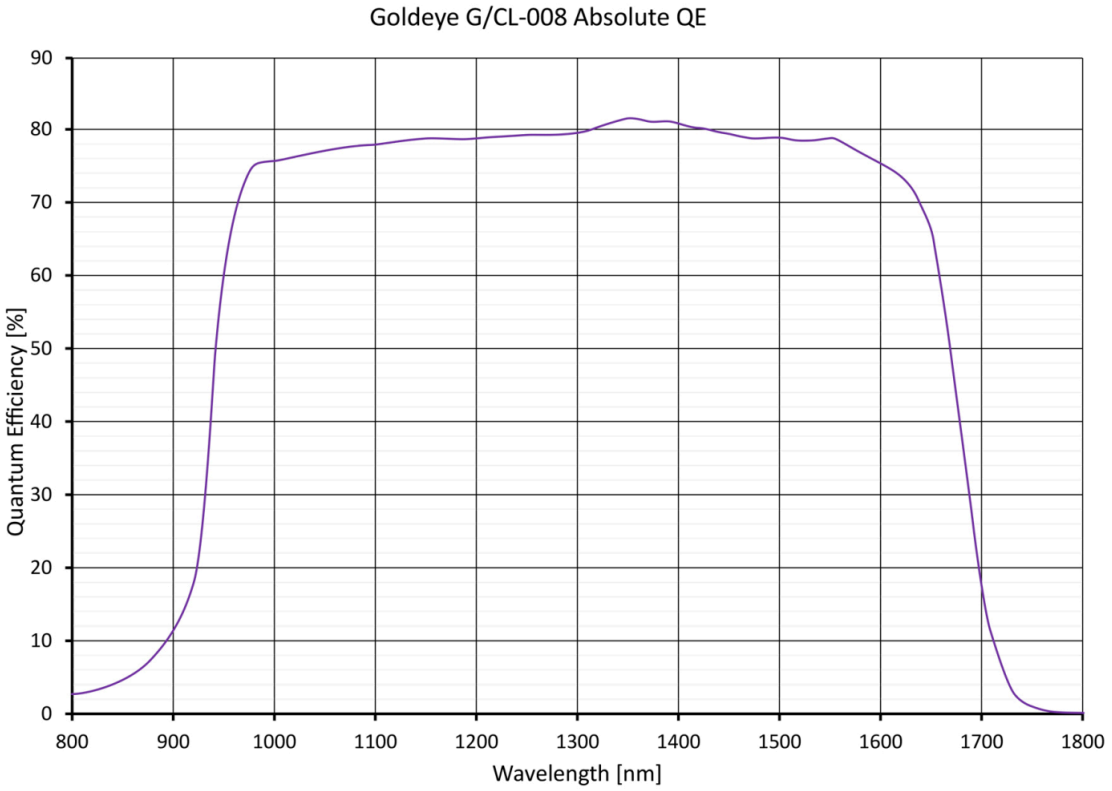
板載記憶體與 FPGA

影像緩衝區 (RAM)	256 MByte

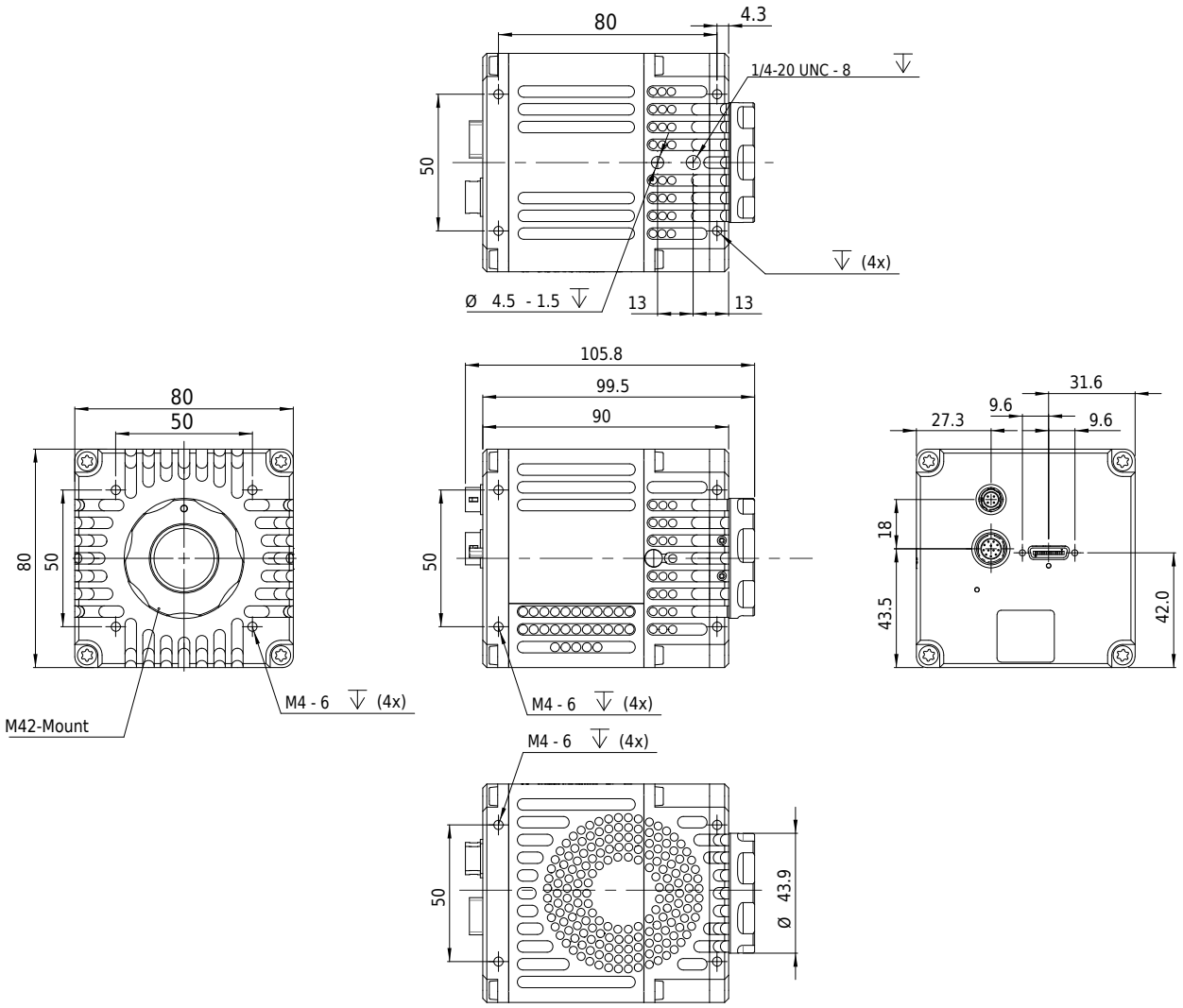
介面

數位介面	Camera Link Base

□□□□


Goldeye G/CL-008 Absolute QE
Quantum Efficiency [%]
90
80
70
60
50
40
30
20
10
0
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
Wavelength [nm]

□□□□


80
4.3
1/4-20 UNC - 8
50
(4x)
Ø 4.5 - 1.5
13
13
105.8
99.5
90
80
50
80
50
M42-Mount
M4 - 6 (4x)
M4 - 6 (4x)
31.6
9.6
27.3
9.6
18
43.5
42.0
M4 - 6 (4x)
50
Ø 43.9