Allied Vision



# Prosilica GT

## Prosilica GT 1930L

Prosilica GT1930L is a 2.35 megapixel camera with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. This camera incorporates the high quality Sony IMX174 Exmor CMOS sensor with Pregius global shutter technology providing excellent monochrome and color image quality.

### 一般

| | |
|---|---|
| 型號 | Prosilica GT 1930L |
| 產品系列 | Prosilica GT |
| 狀態 | Available |

### 感測器

| | |
|---|---|
| 感測器類型 | Area scan |
| 色度 | Color, Mono |
| 光譜 | Visible |
| 解析度 | 1,936 × 1,216 (2.40 MP) |
| 感測器型號 | Sony IMX174 |
| 感測器架構 (材料) | cmos |
| 快門類型 | Global shutter (GS) |
| 感測器尺寸 | 11.34 × 7.13 mm (13.4 mm, Type 1/1.2) |
| 像素大小 | 5.86 µm × 5.86 µm |

### 像素格式

| | |
|---|---|
| 感測器位深 | 12-bit |
| YUV 像素格式 | YUV411Packed, YUV422Packed, YUV444Packed |
| RGB 像素格式 | BGR8Packed, RGB8Packed |
| Bayer 像素格式 | BayerRG12 |

### 影像性能

| | |
|---|---|
| 量子效率 @ 529 nm | 69 % |

## 時序與增益

| | |
|---|---|
| 最大影格率 | 50 fps |
| 曝光時間 | 27 µs to 85 s |
| 增益 | 0.0 dB to 40.0 dB |

## I/O 與電源

| | |
|---|---|
| 非隔離線 | 1 input, 2 outputs |
| 特定非隔離線 | 1 |
| 光隔離線 | 1 input, 2 outputs |
| 電源供應 | 7 to 25 VDC AUX or 802.3at Type 1 PoE |
| 功耗 | 3.24 W at 12 VDC; 3.88 W PoE |

## 操作條件

| | |
|---|---|
| 操作溫度 (機殼) | -30 °C to 70 °C (housing (without condensation)) |

## 機械特性

| | |
|---|---|
| 機殼尺寸 (長 x 寬 x 高 mm) | 96 × 66 × 53 |
| 重量 | 372 g |

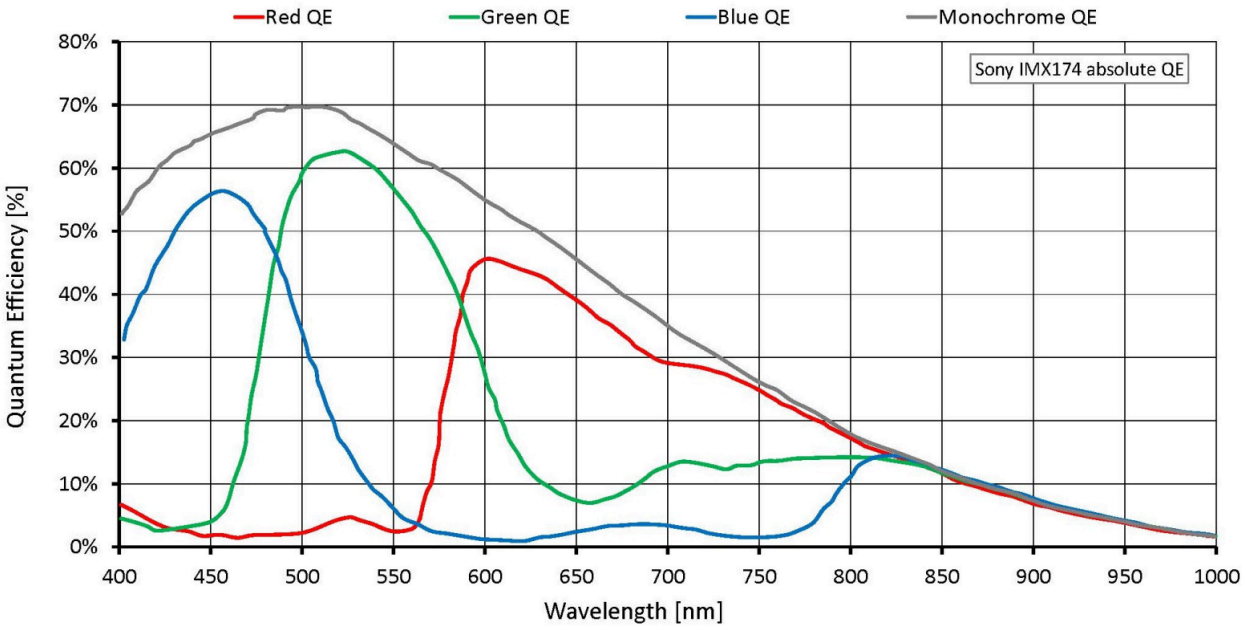
## 板載記憶體與 FPGA

| | |
|---|---|
| 影像緩衝區 (RAM) | 128 MByte |
| 非揮發性記憶體 (Flash) | 1024 KByte |

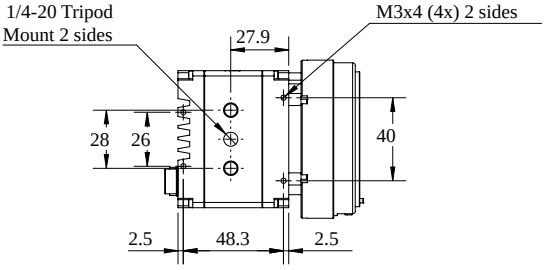
## 介面

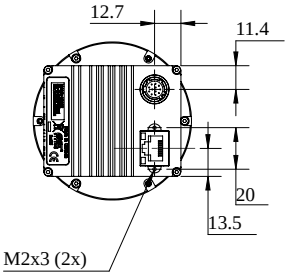
| | |
|---|---|
| 數位介面 | IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE) |

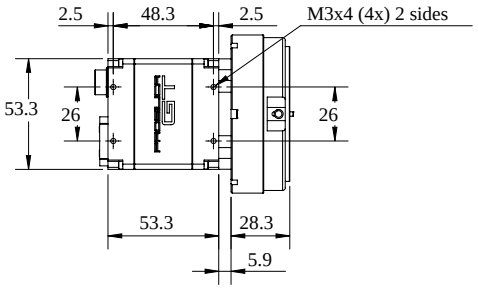
## 量子效率

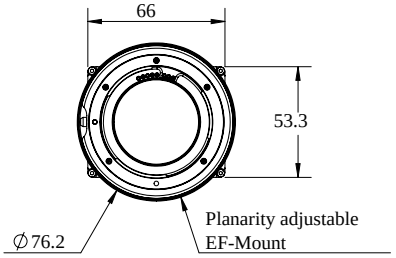

Red QE
Green QE
Blue QE
Monochrome QE
Sony IMX174 absolute QE
Quantum Efficiency [%]
80%
70%
60%
50%
40%
30%
20%
10%
0%
400
450
500
550
600
650
700
750
800
850
900
950
1000
Wavelength [nm]

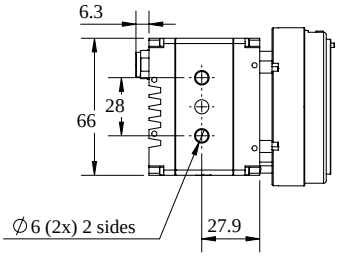
## 技術圖紙


1/4-20 Tripod
Mount 2 sides
M3x4 (4x) 2 sides
27.9
28
26
40
2.5
48.3
2.5


12.7
11.4
20
13.5
M2x3 (2x)


2.5
48.3
2.5
M3x4 (4x) 2 sides
53.3
26
26
53.3
28.3
5.9


66
53.3
∅76.2
Planarity adjustable
EF-Mount


6.3
66
28
∅6 (2x) 2 sides
27.9