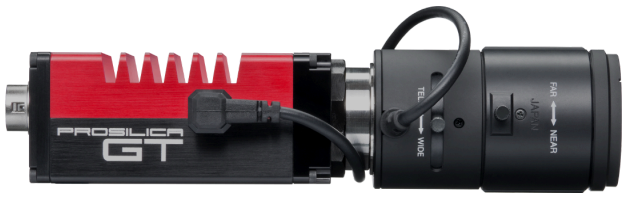
Allied Vision




# Prosilica GT

## Prosilica GT 2460

Prosilica GT2460 is a 5.1 megapixel camera with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. Prosilica GT2460 is offered as monochrome or color models. This camera incorporates the high quality Sony IMX264 CMOS sensor with Pregius global shutter technology.

## 一般

| | |
|---|---|
| 型號 | Prosilica GT 2460 |
| 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 | 2,464 × 2,056 (5.10 MP) |
| 感測器型號 | Sony IMX264 |
| 感測器架構 (材料) | cmos |
| 快門類型 | Global shutter (GS) |
| 感測器尺寸 | 8.5 × 7.09 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 | 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 | 64 % |

## 時序與增益

| | |
|---|---|
| 最大影格率 | 23 fps |

## 時序與增益

| | |
|---|---|
| 曝光時間 | 30 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 | 3.4 W at 12 VDC; 4.2 W PoE |

## 操作條件

| | |
|---|---|
| 操作溫度 (機殼) | -20 °C to 65 °C (ambient (without condensation)) |

## 機械特性

| | |
|---|---|
| 機殼尺寸 (長 x 寬 x 高 mm) | 86 × 53 × 33 |
| 重量 | 211 g |

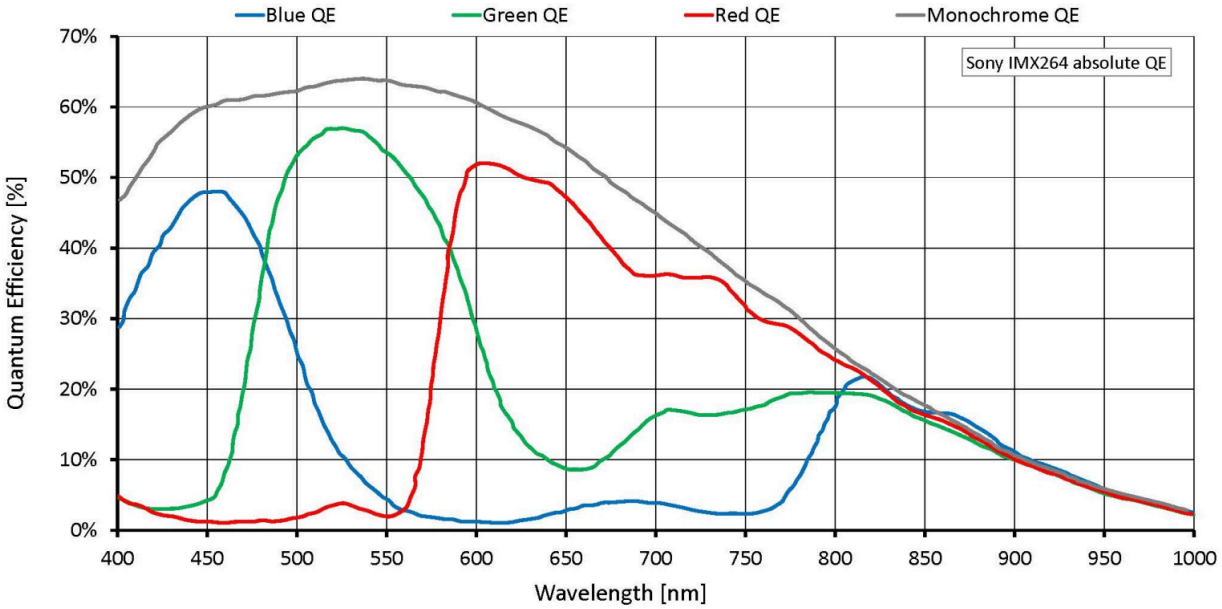
## 板載記憶體與 FPGA

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

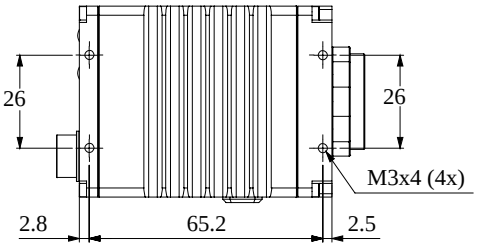
## 介面

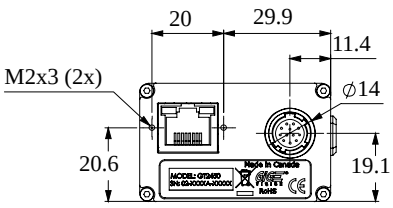
| | |
|---|---|
| 數位介面 | IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE) |

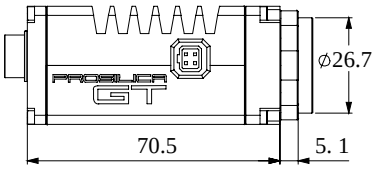
## 量子效率

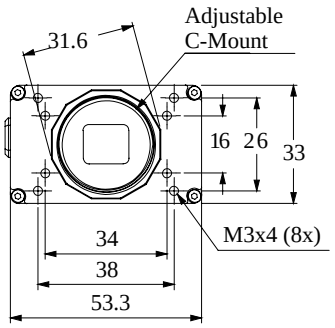

Blue QE
Green QE
Red QE
Monochrome QE
Sony IMX264 absolute QE
Quantum Efficiency [%]
70%
60%
50%
40%
30%
20%
10%
0%
400
450
500
550
600
650
700
750
800
850
900
950
1000
Wavelength [nm]

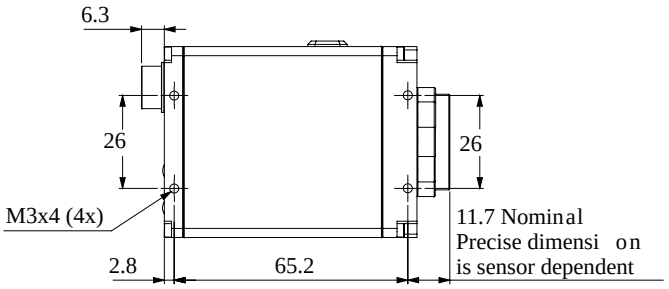
## 技術圖紙


26
26
M3x4 (4x)
2.8
65.2
2.5


20
29.9
11.4
M2x3 (2x)
⌀14
20.6
19.1


⌀26.7
70.5
5. 1


Adjustable
C-Mount
31.6
16
26
33
M3x4 (8x)
34
38
53.3


6.3
26
26
M3x4 (4x)
11.7 Nominal
Precise dimensi on
is sensor dependent
2.8
65.2