

# Articles from FreeSandal

## 春雷早發：樹莓派 2 Model B：拍照害羞篇？！

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翠柏苦猶食，晨霞高可餐。  
世人共鹵莽，吾道屬艱難。  
不爨井晨凍，無衣床夜寒。  
囊空恐羞澀，留得一錢看。



閃光燈殭死症？！



都是 U16 惹的禍??



來點寶貼吧！！

忘了當年是誰說的『PC 沒有不當機的??』，否則要『RESET 開關幹嘛!!』。為了多了解『RPI 2』，閱讀了『樹莓派論壇』，驚訝《Why is the PI2 camera-shy?》一段討論！丫！拍照會當機？光過敏??解決方法是『用寶貼』或『Sugru』??作者寫這篇文章的時候，『討論』依然進行中，看來會有更多的人參與的吧！！

作者認為聽到『剛買的新東西有瑕疵』，大概總會『高興不起來』的。如果已經知道『問題是什麼』，也有了『解決的方法』，那麼『感性』與『理性』的交匯處，或許落在『合理性』之上的吧！畢竟一般的使用上——比方說，裝在外殼裡——，大體也遇不著這個問題，何不『放下議論』向前行呢？

在此列出幾篇『論壇』中所寫的『RPI 2』使用可能遭遇之問題或現象，方便讀者參考：

- [RPI2 Boot issues](#)
- [New Raspberry Pi 2 Install](#)
- [Memory available on Raspberry Pi 2](#)

有關『軟體相容性』的問題，在此引用《Is the new raspberry pi 2 software compatible with the old raspberry pis?》文章所講：

Assuming the following is true (which seems highly likely)

...

Fortunately for us, Broadcom were willing to step up with a new SoC, BCM2836. This retains all the features of BCM2835, but replaces the single 700MHz ARM11 with a 900MHz quad-core ARM Cortex-A7 complex: everything else remains the same, so there is no painful transition or reduction in stability.

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【 EDITED TO ADD 】

Unfortunately it looks like all the register addresses have changed.

The peripherals base address for previous (ARMv6) models was 0x20000000. The new (ARMv7) model seems to have a peripherals base address of 0x3F000000.

This will break all the existing low level C libraries (wiringPi, bcm2835, pigpio), bare-metal programs, and any code which directly accesses the peripherals.

If this is the extent of the changes it is fairly trivial to fix.

However it's hard to reconcile this change with the statement that no changes are required.

，這與目前初步的觀察頗相符契。