



QNAP

# TS-x77系列

高達 **8** 核心爆發性能，幫企業快速、有效率地完成任務

QNAP Systems, Inc.



TS-677



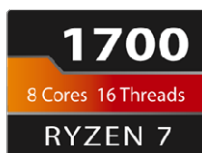
TS-877



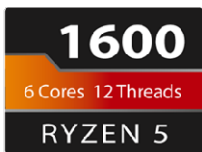
TS-1277



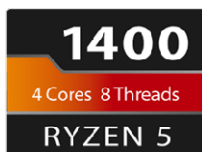
# 尊爵效能，僅65W TDP耗電量



8 核, 16 執行緒 | 3.0 GHz / 3.7 GHz



6 核, 12 執行緒 | 3.2 GHz / 3.6 GHz



4 核, 8 執行緒 | 3.2 GHz / 3.4 GHz





# 迅捷、聰明的幫您完成任務

**TS-677-1400-8G**

Ryzen 5 1400, 8GB RAM



**TS-877-1400-8G**

Ryzen 5 1400, 8GB RAM

**TS-877-1600-16G**

Ryzen 5 1600, 16GB RAM



**TS-1277-1600-16G**

Ryzen 5 1600, 16GB RAM

**TS-1277-1700-32G**

Ryzen 7 1700, 32GB RAM

**TS-1277-1700-64G**

Ryzen 7 1700, 64GB RAM

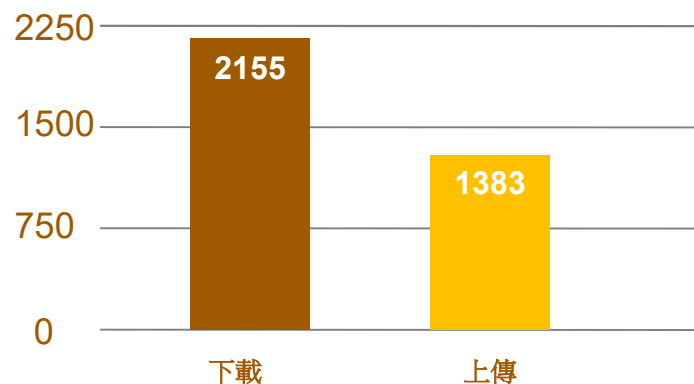


**BIG  
THiNK**

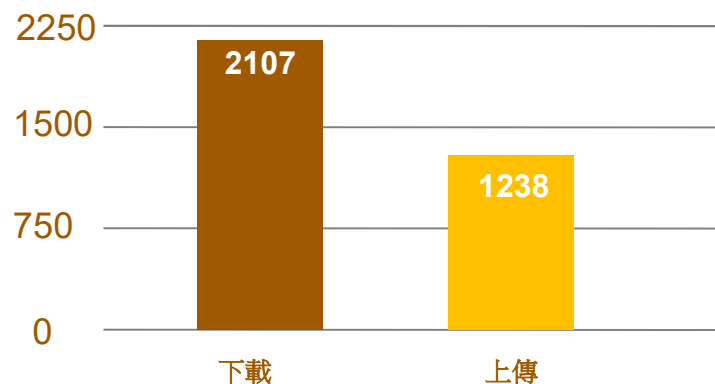
# 相容 10GBASE-T 與 SFP+ 介面卡



**10GbE x 2**  
(Windows 檔案傳輸)



**10GbE x 2**  
(Windows 加密檔案傳輸)



測試於 QNAP 實驗室。數據會因實際環境而有所不同。

**測試環境:**

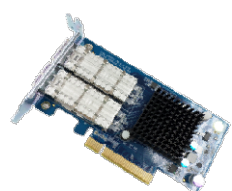
NAS: TS-1277-1700-32G with QTS 4.3.4  
Volume type: RAID 5; 12 x Intel S3500 240GB SSDs (SSDSC2BB240G4)

**用戶端 PC:**

Intel® Core™ i7-4770 3.40GHz CPU; 16GB RAM; Mellanox 10GbE NIC ;  
Windows® 10 64-bit

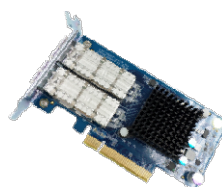
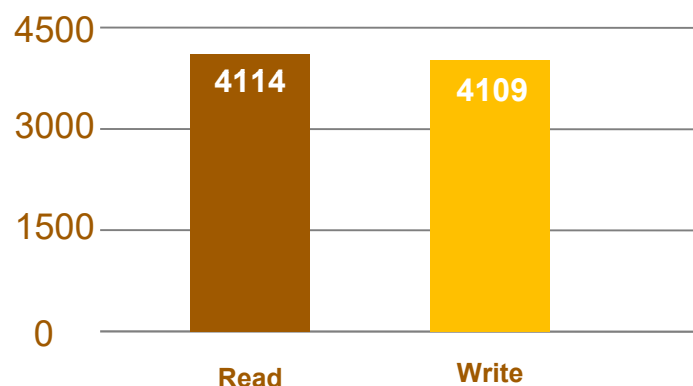


# 資料中心級 40GbE 光速網路擴充性



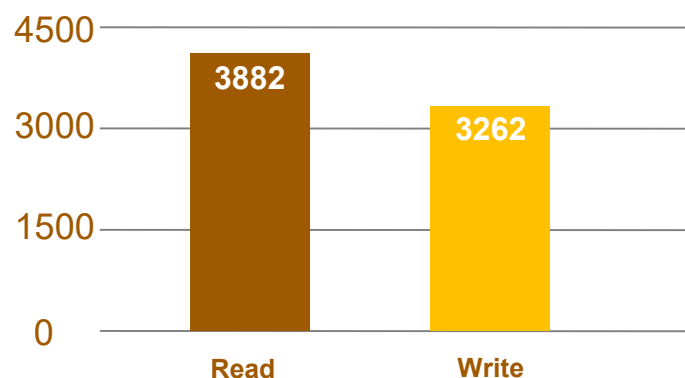
## 40GbE

(64KB, 循序存取)



## 40GbE

(64KB, 加密循序存取)



測試於 QNAP 實驗室。數據會因實際環境而有所不同。

### 測試環境:

NAS: TS-1277-1700-32G with QTS 4.3.4

Volume type: RAID 0; 12 x Intel S3500 240GB SSDs (SSDSC2BB240G4)

### 用戶端 PC:

Intel® Core™ i7-4770 3.40GHz CPU; 16GB RAM; QNAP LAN-40G2SF-MLX

40GbE NIC; Windows® 10 64-bit; IO Meter w/ 2 workers



# 正面硬體配置

可調整亮度的 LED 燈號:  
HDD, SSD, M.2 SSD

2 或 4 個 2.5 吋 SSD 插槽，支援 Qtier 分層分區  
與 SSD 快取

4, 6 或 8 個 3.5 吋 HDD  
插槽並支援 2.5 吋  
HDD/SSD

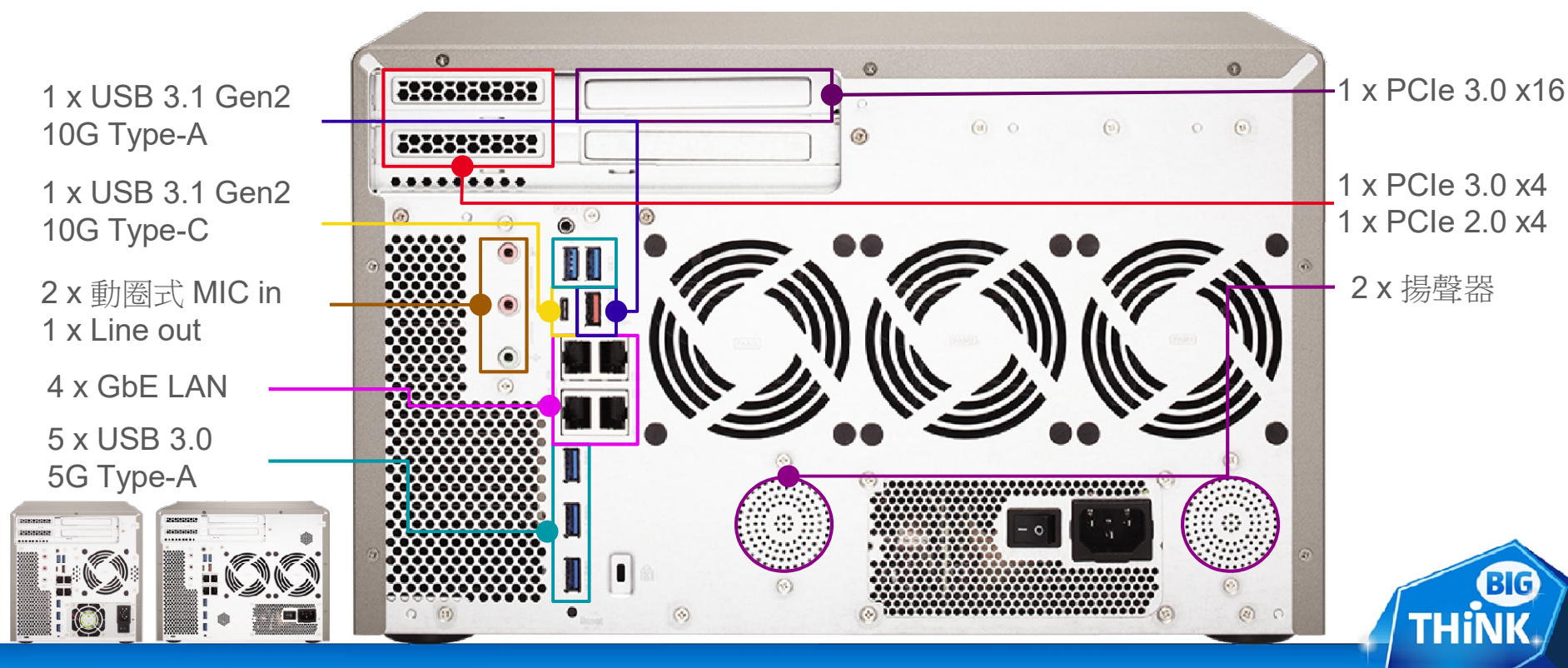
LCD 螢幕與 Enter  
& Select 鍵

電源鍵

USB 3.0 &  
備份鍵



# 背面硬體配置



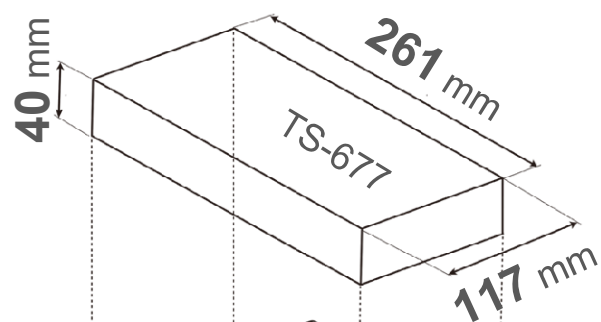
# 內部硬體配置

4 x DDR4 UDIMM  
RAM 插槽, 最高達  
**64GB**

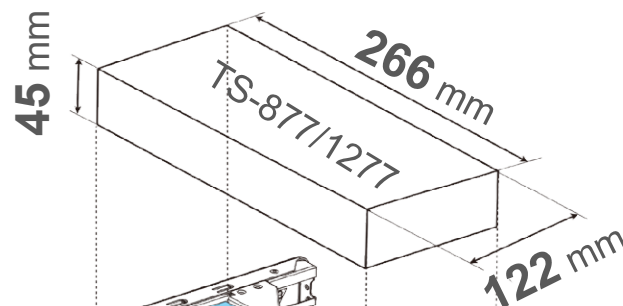
2 x **M.2**  
22110/2280/2260/  
2242 SATA SSD 插槽

雙風扇 散熱模組

# 桌機級顯卡，打造多媒體性能怪獸



**250W** PSU  
TS-677



**550W** PSU  
TS-1277

**450W** PSU  
TS-877



# GPU Passthrough & QTS 活用術

- Virtualization Station (虛擬機工作站): 支援 **AMD & NVIDIA** 顯卡
- HybridDesk Station, Linux Station, 硬體加速轉檔:  
支援 **NVIDIA** GTX 1050/1060/1070 & P2000 顯卡

QTS 4.3.4 全新支援!



← ControlPanel

General Audio Alert Smart Fan **Graphics Card**

You can install graphics cards on the expansion slots to increase the capacity for performing computations in certain applications. Additional graphics cards also provide the HDMI output capability that can be used by HD Station, Linux Station, and Virtualization Station. For details, go to ([Compatibility list](#)).

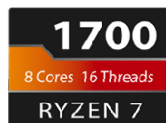
| Manufacturer | Model        | Memory usage       | GPU usage | Fan speed    | Temperature   | Assign resources to                             |
|--------------|--------------|--------------------|-----------|--------------|---------------|-------------------------------------------------|
| NVIDIA       | QUADRO P2000 | 12.00 MB / 4.93 GB | 0 %       | Medium speed | 33°C / 91.4°F | HD Station / Linux Station / Hardware Transc... |

# TS-1277 即時展示

- 升級 記憶體
- 安裝 **M.2 SSD** 與隨附的散熱模組
- 安裝 圖形顯示卡
- QTS
  - ✓ 控制台 - 硬體設定 - 顯示卡
  - ✓ HybridDesk Station **4K 60P** HDMI 輸出



# 10 月與你不見不散



**TS-1277-1700-64G**

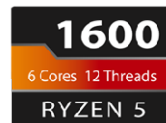
(4 x 16GB)

**TS-1277-1700-32G**

(2 x 16GB)

**TS-1277-1600-16G**

(2 x 8GB)

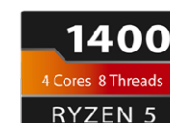


**TS-877-1600-16G**

(2 x 8GB)

**TS-877-1400-8G**

(2 x 4GB)



**TS-677-1400-8G**

(2 x 4GB)





**QNAP**

# **360° Panorama**

## **全景相片 & 影片**

QNAP Systems, Inc.

# 360 度全景攝錄蔚為風潮

- 市面上眾多產品支援 360 度攝影及拍照
- 知名網站支援 360 度全景相片及影片播放



YouTube



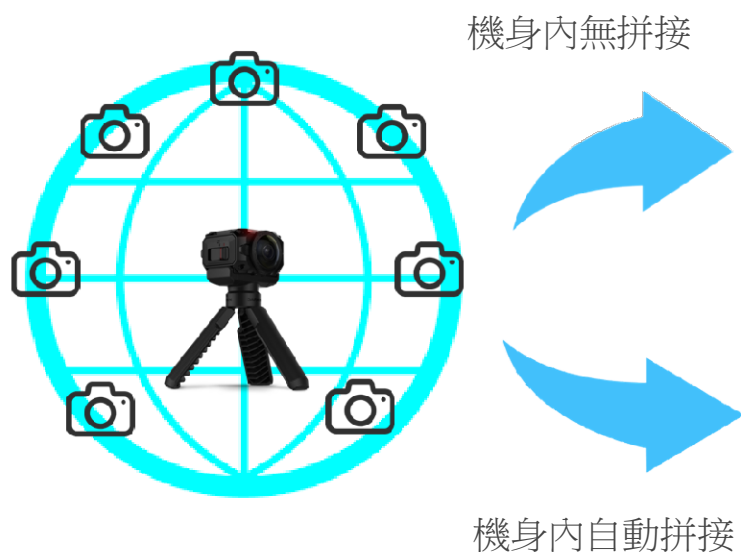
Facebook



Garmin  
VIRB® 360

# 什麼是360度全景 (Panorama) 相片及影片？

利用 360 度全景相機在單一位置錄下周圍環境的所有角度



魚眼圖



等距柱狀格式

透過拍攝器材廠商提供的工具進行拼接

# 熱門的 360 度相機



單顆魚眼  
Detu Sphere S



雙魚眼  
Ricoh Theta S



3 個魚眼  
GIROPTIC 360cam



4 個魚眼  
Detu F4



6 個魚眼  
Insta 360 Pro



單機雙魚眼  
Kodak SP360



6個獨立鏡頭  
GoPro Omni



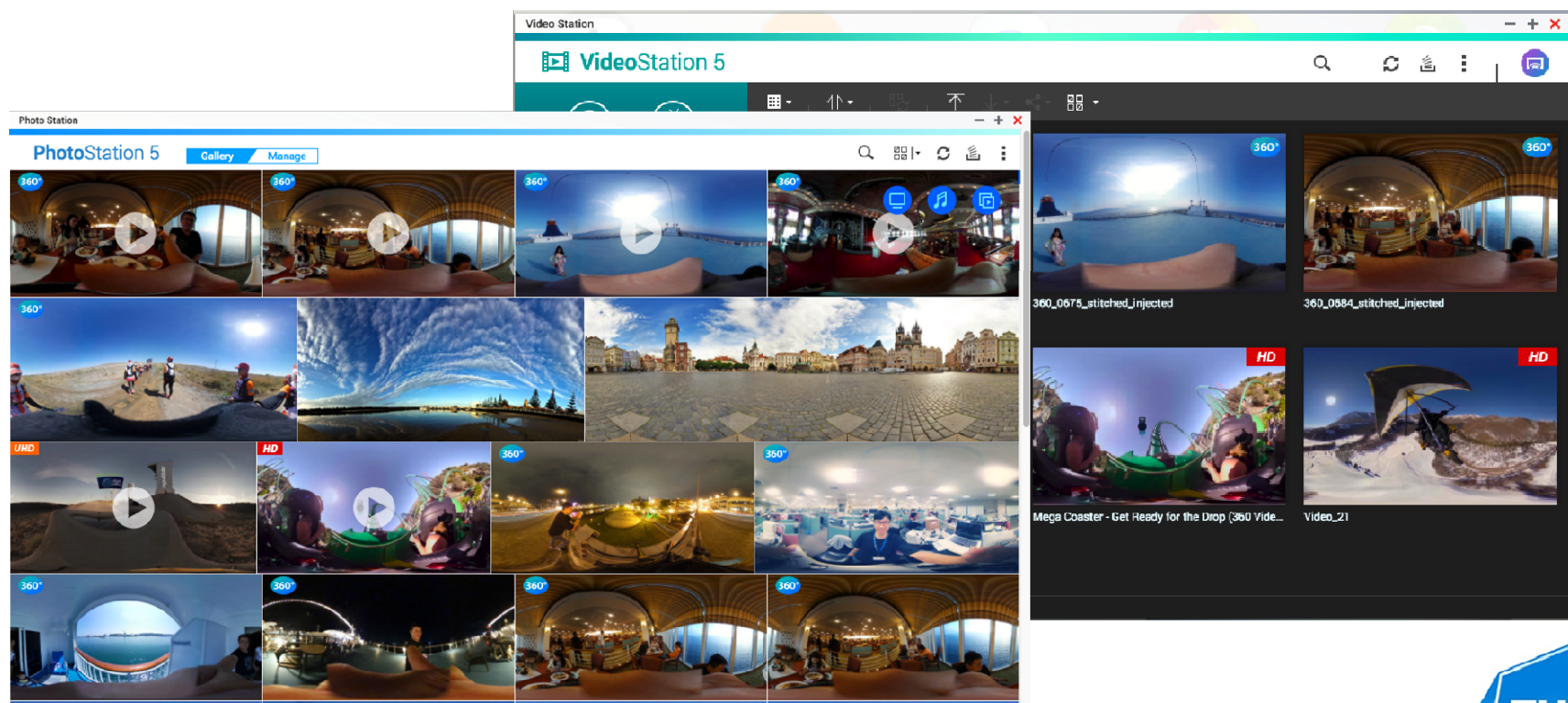
8個獨立鏡頭  
Vuze 4K 3D 360  
Spherical VR Camera



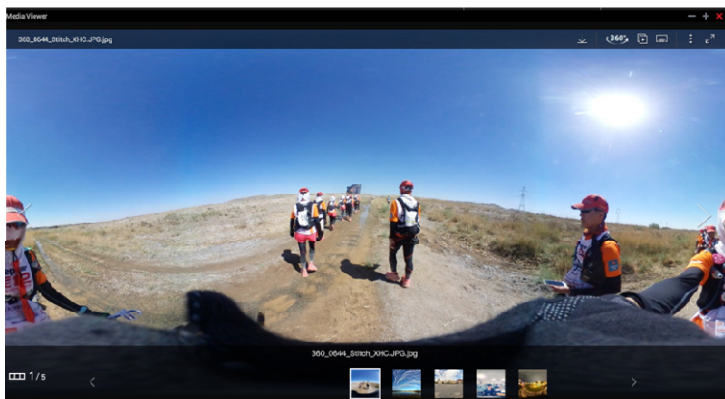
36個獨立鏡頭  
PANONO

QNAP 2017

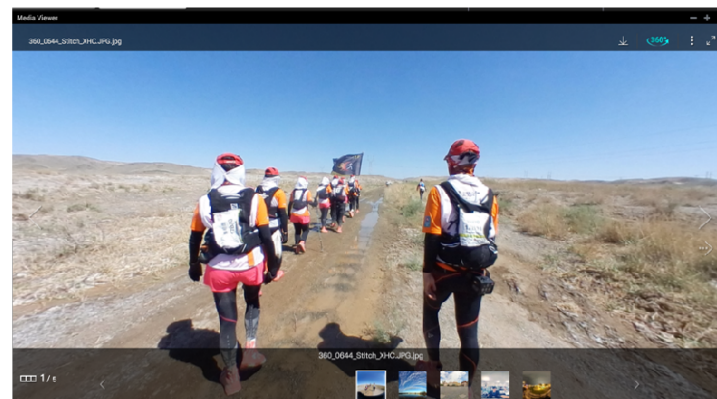
# QTS 4.3.4 支援 360 度相片影片格式



# 觀賞 360 度全景相片影片



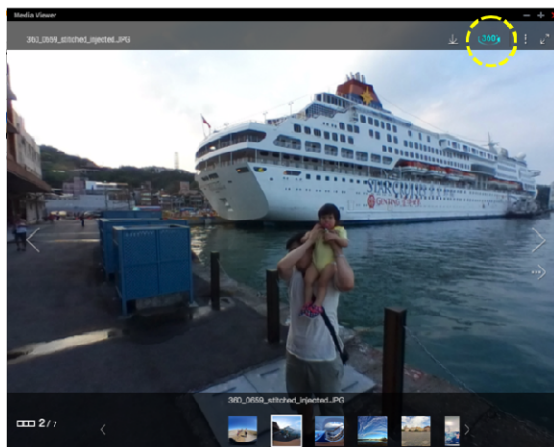
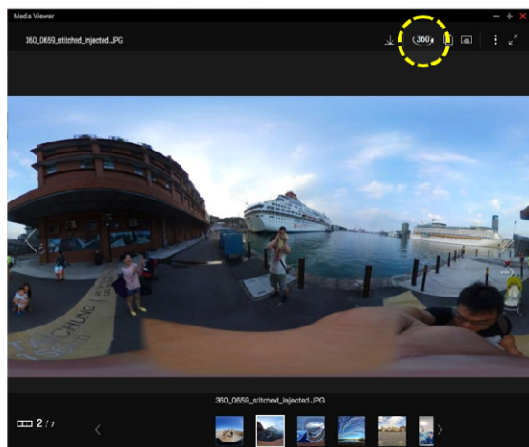
未啟動 360° 的畫面



啟動 360° 播放的畫面  
可透過滑鼠拖拉畫面觀看不同視角

# 360度 檔案格式

- 影片的 Metadata 或照片的 EXIF 含有以下資訊會自動以360 度方式播放
  - ✓ Projection Type= **equi**rectangular
- 如沒有 360 度全景相關資訊的檔案，可透過介面上的 360 度按鈕啟動播放



# 支援 360 度瀏覽及播放的套件

## 應用工具



File Station



Photo Station



Video Station



Qsirch

## 行動 App



Qfile



Qphoto



Qvideo

\*以上套件於 QTS 4.3.4 (或以上) 才支援 360° 瀏覽及播放。



# 示範操作

## TS-677

- CPU : AMD Ryzen
- RAM : 8GB
- GPU Card : NVIDIA GTX 1050
- QTS OS: 4.3.4

## iPhone 6 :

- Giroptic iO 360 Camera
- Qfile



The image features a blue Qnap logo in the top left corner. The background is a complex, abstract composition of numerous overlapping, semi-transparent geometric shapes in shades of blue and purple, creating a sense of depth and movement. The shapes vary in size and orientation, some appearing as sharp, angular fragments while others form more solid, block-like structures. The overall effect is a dynamic, digital landscape.

QNAP

謝謝收看