

網路攝影機

使用手冊

QND-6012R/6022R/6032R/6072R/6082R

QNV-6012R/6022R/6032R/6072R/6082R

QNO-6012R/6022R/6032R/6072R/6082R

網路攝影機

使用手冊

版權

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商標

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※ 初始管理員 ID 為「管理員」，初次登入時需設定密碼。

請每三個月變更一次密碼，以妥善保護個人資訊，避免資訊遭竊所造成的損害。

請注意，由於密碼管理不善所造成的安全性及其他問題，均需由使用者自行負責。

重要安全性說明

1. 參閱這些說明。
2. 請妥善保管這些說明。
3. 請留意所有警告。
4. 請遵循所有說明。
5. 切勿在靠近水源處使用本設備。
6. 使用柔軟的乾布或濕布清潔產品表面的髒污區域。
(切勿使用含有酒精、溶劑或表面活性劑或油質成份的清潔劑或化妝品，因為可能會導致產品變形或損壞。)
7. 切勿阻塞任何通風口，並請按照製造商的說明進行安裝。
8. 切勿安裝在任何熱源附近，例如散熱器、熱調節器、火爐或其他會產生熱能的設備 (包括擴大器)。
9. 切勿破壞極化或接地型插頭的安合作用。極化插頭有兩個插片，其中一個比另一個寬。接地型插頭有兩個插片和第三個接地插腳。寬插片或第三個插腳有安全作用。如果隨附的插頭不適合您的插座，請洽詢電工更換舊插座。
10. 避免電源線遭踐踏或擠壓，尤其是在插頭、方便插座及電線從設備退出的位置。
11. 務必僅使用製造商指定的附件/配件。
12. 務必僅使用製造商指定的或與設備搭售的推車、支架、三腳架、托架或桌台。使用推車時，請小心移動推車/設備組合，避免翻倒造成傷害。
13. 在雷雨期間或長時間不使用時，請拔下本設備的電源插頭。
14. 請將所有維修工作交由合格的維修人員處理。設備遭受任何型態的損壞時，例如電源線或插頭損壞、液體滲入或異物落入設備內、設備遭受雨淋或受潮、無法正常運作，或曾經掉落，則需要進行維修。
15. 本產品應為標示「Class2」或「LPS」，且額定電壓為 12 Vdc、0.55A 或 PoE (48V)、0.16A 的列名電源裝置。
(QND-6072R/6082R、QNV-6072R/6082R)
16. 本產品應為標示「Class2」或「LPS」，且額定電壓為 12 Vdc、0.54A 或 PoE (48V)、0.16A 的列名電源裝置。
(QND-6012R/6022R/6032R、QNV-6012R/6022R/6032R)
17. 本產品應為標示「Class2」或「LPS」，且額定電壓為 12 Vdc、0.55A 或 PoE (48V)、0.16A 的列名電源裝置。
(QNO-6072R/6082R)
18. 本產品應為標示「Class2」或「LPS」，且額定電壓為 12 Vdc、0.51A 或 PoE (48V)、0.15A 的列名電源裝置。
(QNO-6012R/6022R/6032R)
19. 本產品使用隔離電源供電。
20. 如果安裝本產品時用力過猛，可能會損壞攝影機並導致故障。
如果您使用不符合規定的工具強行安裝本產品，可能會導致本產品損壞。
21. 切勿在有可能產生化學物質或油霧的地點安裝本產品。由於大豆油等食用油可能會損壞產品或導致產品變形，因此切勿在廚房或餐桌附近安裝本產品。
這可能會導致產品損壞。
22. 安裝產品時，請注意不要讓產品表面沾染化學物質。
清潔劑或黏著劑之類的某些化學溶劑可能會造成產品表面嚴重損壞。
23. 如果您以非建議的方式安裝/拆卸產品，可能無法保證達到產品功能/效能。
請參閱使用手冊的「安裝和連接」安裝本產品。
24. 在水中安裝或使用產品可能會對產品造成嚴重損壞。
25. 儘管溫度的劇烈變化可能會導致半球型攝影機內部結霜，但視訊畫面不會有任何問題。

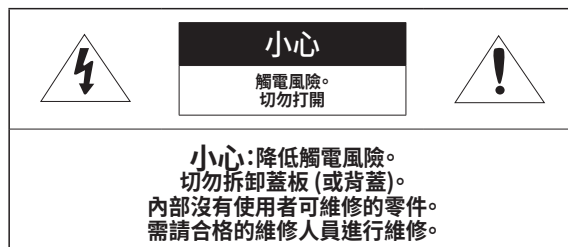


警告

為降低火災或觸電風險，請勿將本產品暴露於雨水或濕氣中。切勿將任何金屬物插入設備上的通風格柵或其他開口。

本設備不得暴露於滴水或濺水的環境中，且不得在設備上放置裝有液體的物品，例如花瓶。為避免傷害，必須按照安裝說明將本設備牢固安裝在牆壁/天花板上。

小心



圖形符號解說



正三角形內的箭頭閃光符號，用於提醒使用者本產品機殼內存在「危險電壓」，其強度可能足以構成人員觸電的危險。



正三角形內的感嘆號用於提醒使用者本產品隨附的文件中有重要的操作和維護 (維修) 說明。

警告：為避免電磁干擾，本產品不應安裝或使用於住宅環境。

設備名稱：網路攝影機		型號 (型式)：QND-6022R, QND-6012R, QND-6082R, QND-6072R				
單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁺)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
下蓋 (CASE BOTTOM)	○	○	○	○	○	○
上蓋 (COVER TOP)	○	○	○	○	○	○
散熱片 (PAD THERMAL)	○	○	○	○	○	○
墊片 (GASKET)	○	○	○	○	○	○
標籤 (LABEL)	○	○	○	○	○	○
電路板 (PCB)	○	○	○	○	○	○
螺絲 (SCREW)	○	○	○	○	○	○

概覽

設備名稱：網路攝影機			型號(型式)：QNO-6022R, QNO-6012R			
單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁺⁶)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
外殼 (BODY CASE)	○	○	○	○	○	○
散熱片 (PAD THERMAL)	○	○	○	○	○	○
電路板 (PCB)	○	○	○	○	○	○
線材 (CABLE)	○	○	○	○	○	○
軟性電路板 (FPCB)	○	○	○	○	○	○
螺絲 (SCREW)	○	○	○	○	○	○

備考1. “○” 超出0.1 wt %及 “△” 係指限用物質之百分比含量超出百分比含量基準值。
備考2. “△” 係指該項限用物質之百分比含量未超出百分比含量基準值。
備考3. “—” 係指該項限用物質為排除項目。

CLASS I 結構

採用 CLASS I結構的設備應該連接到具有保護接地連接的電源插座。

電池

電池 (電池組或安裝的電池) 不可暴露於過熱的環境中，例如陽光、火源等。
無法更換電池。

斷開裝置

如果設備故障，請從設備拔下主插頭。請電洽您所在地的維修人員。
在美國境外使用時，可使用經認證機構核准的配件與 HAR 電纜搭配使用。

注意

如果更換的電池類型不正確，會有爆炸的危險。
請按照說明處置使用過的電池。
這些維修說明僅供合格的維修人員使用。
為降低觸電風險，除非您有資格進行維修，否則切勿執行操作說明中所述以外的任何維修。
產品的測試監控輸出埠是為了方便安裝而提供，不建議用於監控用途。
輸入電源務必專供一台攝影機使用，切勿連接其他裝置。
ITE 僅需連接至 PoE 網路，無須路由至外部廠房。

請詳細閱讀下列建議的安全性預防措施。

- 切勿將本設備放置於不平坦的表面上。
- 切勿安裝在陽光直射、靠近加熱設備或嚴寒地區的表面。
- 切勿讓本設備靠近導電材料。
- 切勿嘗試自行維修本設備。
- 請勿在本產品上放置水杯。
- 切勿安裝在任何磁性來源附近。
- 切勿阻塞任何通風口。
- 切勿在本產品上放置重物。
- 安裝/拆卸攝影機時請戴上防護手套。
產品表面的高溫可能會導致灼傷。

使用手冊是如何使用產品的指南。

符號的含義如下所示。

- 參考：提供有助於產品使用的資訊時
- 注意事項：有可能因為不遵循說明而造成商品和人員的損害

※ 為了安全起見，請在使用商品前參閱本手冊，並妥善保管。

在特定的安裝環境中，無線電通訊可能會遭受干擾。
產品與無線電通訊裝置之間出現電磁波干擾時，建議兩者保持一段特定距離或改變接收天線的方向。

警告

為避免紅外線 LED 可能造成的損害，請勿直視運作中的燈。

僅適用於以下機型。

QND-6012R/6022R/6032R/6072R/6082R
QNV-6012R/6022R/6032R/6072R/6082R
QNO-6012R/6022R/6032R/6072R/6082R

風險群組 1
警告本產品發出的紅外線。 請勿直視運作中的燈。
產品通過 IEC 62471 的測試

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建議 PC 規格

- CPU：Intel(R) Core(TM) i7 3.4 GHz 或更高
- RAM：8G 或更高
- 支援的作業系統：Windows 7、8.1、10、Mac OS X 10.12、10.13、10.14
- 建議的瀏覽器：Google Chrome
- 支援的瀏覽器：MS Explore11、MS Edge、Mozilla Firefox (僅限 Window 64 位元)、Apple Safari (僅限 Mac OS X)
- VGA：PCIe 256MB GDDR3 視訊顯示卡或更高版本

建議 MICRO SD/SDHC/SDXC 記憶卡規格

- 建議容量：16GB ~ 128GB (MLC 類型)
- 建議的製造商：SanDisk、Transcend
- 產品類型：高耐寫度
- 相容性會根據卡片製造商和類型而有所不同。

NAS 建議規格

- 建議容量：建議 200GB 或更高。
- 同時存取：一台 NAS 最多可接受十六台攝影機存取。
- 對於此攝影機，建議您使用具備下列製造商規格的 NAS。

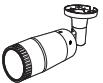
建議的產品	可用尺寸
QNAP NAS	最多可接受 16 台攝影機同時存取。
Synology NAS	最多可接受 16 台攝影機同時存取。



▪ 如果您將 NAS 設備用於視訊儲存以外的用途，則可存取之攝影機的數目可能會減少。

內容物

請檢查產品包裝內的攝影機和配件是否齊全。
(各個販售國家/地區提供的配件不盡相同。)

外觀	品項名稱	數量	描述	機型名稱
	攝影機	1		QND-6012R/6022R/ 6032R/6072R/6082R
		1		QNO-6012R/6022R/ 6032R/6072R/6082R
		1		QNV-6012R/6022R/ 6032R/6072R/6082R
	快速入門指南 (選購)	1		QND-6012R/6022R/ 6032R/6072R/6082R、 QNV-6012R/6022R/ 6032R/6072R/6082R、 QNO-6012R/6022R/ 6032R/6072R/6082R
	保固卡 (選購)	1		QND-6012R/6022R/ 6032R/6072R/6082R、 QNV-6012R/6022R/ 6032R/6072R/6082R、 QNO-6012R/6022R/ 6032R/6072R/6082R
	樣板	1	產品安裝指南	QND-6012R/6022R/ 6032R/6072R/6082R、 QNV-6012R/6022R/ 6032R/6072R/6082R、 QNO-6012R/6022R/ 6032R/6072R/6082R
	電源端子台	1	插入電源插頭	QND-6012R/6022R/ 6032R/6072R/6082R、 QNV-6012R/6022R/ 6032R/6072R/6082R
	L 扳手	1	用於控制攝影機的方向	QNO-6012R/6022R/ 6032R/6072R/6082R

外觀	品項名稱	數量	描述	機型名稱
	L 扳手 (星型)	1	用於取下和更換半球型蓋	QNV-6012R/6022R/ 6032R/6072R/6082R
	警示纜線	1	於連接警示時使用	QND-6012R/6022R/ 6032R/6072R/6082R
	RJ45 防水配件	1	用於安裝在潮濕的地方	QNO-6012R/6022R/ 6032R/6072R/6082R
	遮陽板	1	可保護攝影機，避免陽光直射。	QNO-6012R/6022R/ 6032R/6072R/6082R
	遮陽板固定螺絲	1	可將遮陽板固定在攝影機上。	QNO-6012R/6022R/ 6032R/6072R/6082R
	電源線	1	用於插入電源埠	QNV-6012R/6022R/ 6032R/6072R/6082R
	音訊/警報纜線	1	用於與音訊和警示埠連接	QNV-6012R/6022R/ 6032R/6072R/6082R
	測試顯示器的纜線	1	用於測試攝影機與可攜式顯示裝置的連接	QND-6012R/6022R/ 6032R/6072R/6082R、 QNV-6012R/6022R/ 6032R/6072R/6082R、 QNO-6012R/6022R/ 6032R/6072R/6082R
	纜線套管	1	用於連接 LAN 纜線	QNV-6012R/6022R/ 6032R/6072R/6082R
	護蓋安裝器	1	連接 RJ45 纜線時使用	QNV-6012R/6022R/ 6032R/6072R/6082R

概覽

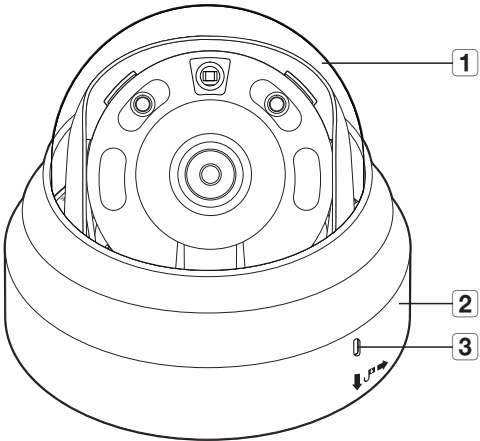
選購安裝配件
為了簡化安裝，您可以購買合適的可用選購配件。



機型名稱	懸掛式安裝	後箱	立桿式安裝	全部
QNV-6012R/6022R/6032R	SBP-122HMW	SBV-120GW		SBP-300LMW (護欄安裝)
QNV-6072R/6082R	SBP-301HMW2	SBV-136BW		SBP-300CMW (天花板安裝)
QND-6012R/6022R/6032R	SBP-300HMW7			SBP-300WMW1 (壁掛式安裝)
QND-6072R/6082R	SBP-122HMW			SBP-300NBW (安裝箱)
QNO-6012R/6022R/ 6032R/6072R/6082R		SBO-100B1	SBP-302PM	SBP-300PMW (立桿式安裝)
				SBP-300KMW (轉角安裝)

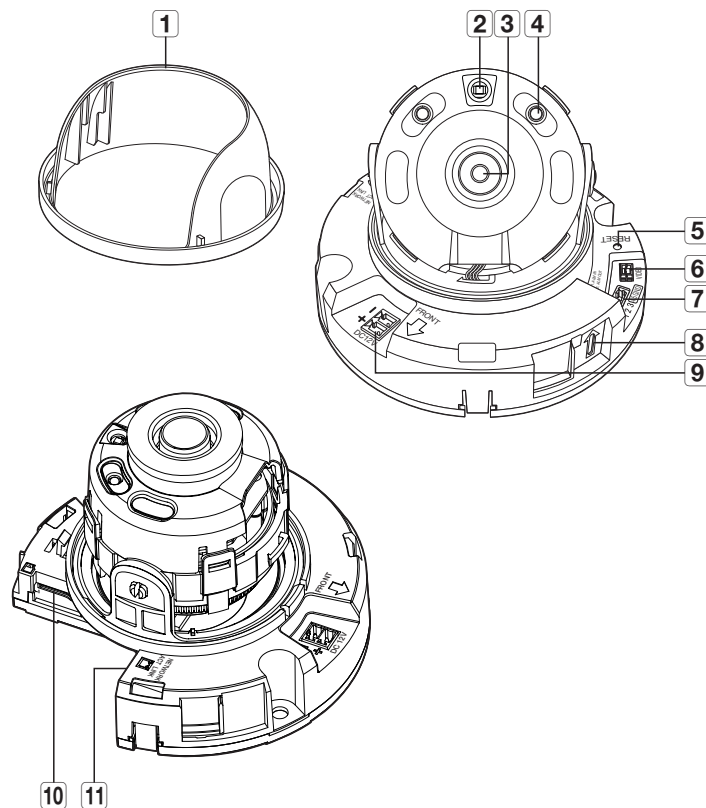
概覽 (QND-6012R/6022R/6032R)

外觀



品項	描述
1 半球型蓋	用來保護鏡頭和攝影機的外殼蓋。
2 攝影機殼	覆蓋攝影機機身的外罩部分。
3 麥克風孔	麥克風是嵌入的。

元件

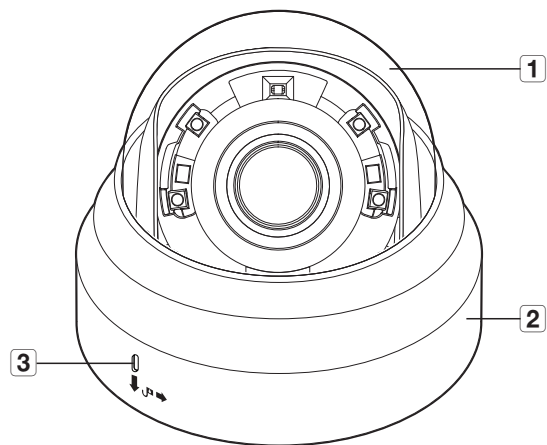


品項	描述	
1 內蓋	主機身的保護蓋。	
2 照度感測器	偵測進入的光線,以便控制紅外線 LED。	
3 鏡頭	攝影機的鏡頭。	
4 紅外線 LED	這些紅外線 LED 是由照度感測器所控制。	
5 重設按鈕	此按鈕可將所有攝影機設定恢復為原廠預設值。按住約 5 秒即可重新啟動系統。 ■ 如果重設攝影機,網路設定將會調整,以便啟用 DHCP。如果網路中沒有 DHCP 伺服器,則必須執行 Device Manager 程式來變更 IP 位址、子網路遮罩、閘道等基本網路設定,才能連接到網路。	
6 測試監控輸出	用於測試監控視訊輸出的輸出埠。使用測試監控纜線即可連接至行動顯示器,並確認測試視訊。	
7 警示輸入/輸出埠	ARM-IN	用來連接警示輸入感測器或外部日/夜感測器。
	ARM-OUT	用於連接警示輸出訊號。
	GND	這些是連接警示輸入/輸出訊號的共用埠。
8 麥克風孔	麥克風是嵌入的。	
9 電源埠	電源端子台的埠。	
10 Micro SD 記憶卡插孔	Micro SD 記憶卡插孔。	
11 網路埠	用來連接 PoE 或乙太網路纜線,以連接至網路。	

概覽

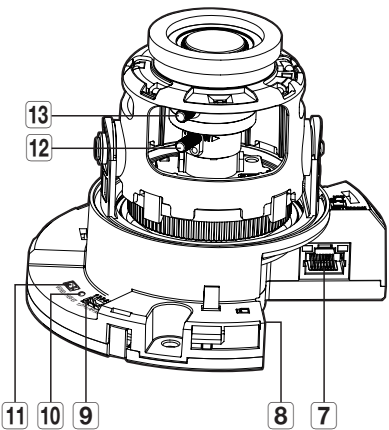
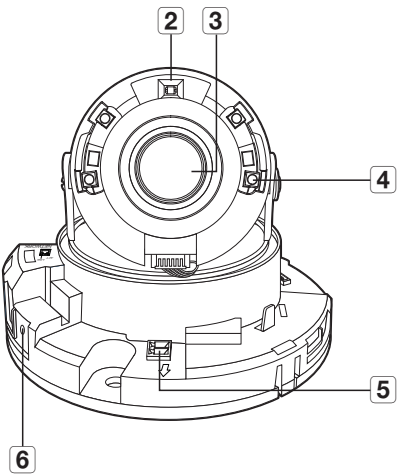
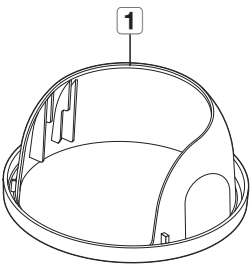
概覽 (QND-6072R/6082R)

外觀

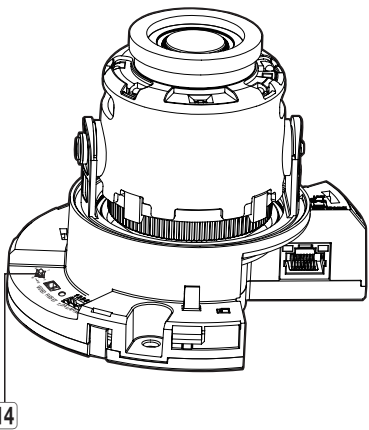


品項	描述
1 半球型蓋	用來保護鏡頭和攝影機的外殼蓋。
2 攝影機殼	覆蓋攝影機機身的外罩部分。
3 麥克風孔	麥克風是嵌入的。

元件



<QND-6072R>



<QND-6082R>

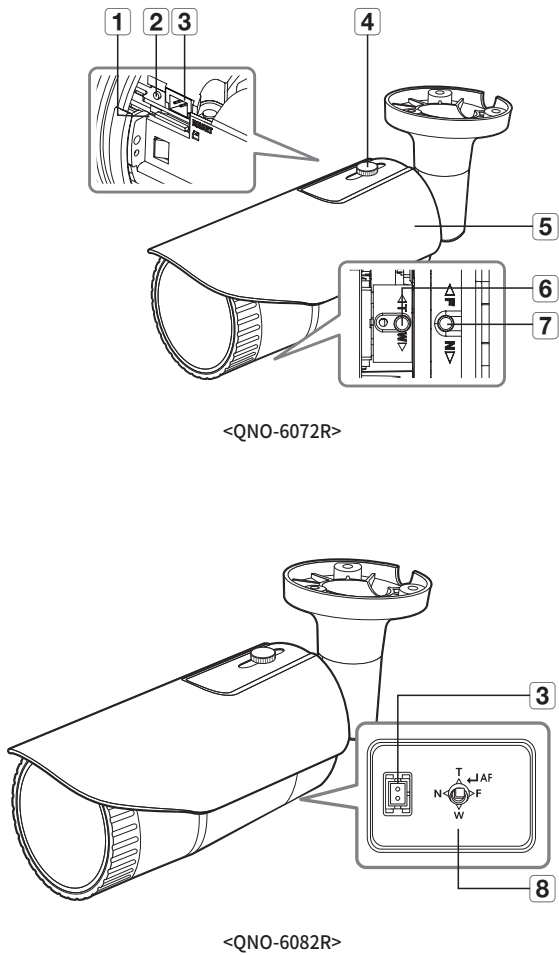
品項	描述	
1 內蓋	主機身的保護蓋。	
2 照度感測器	偵測進入的光線，以便控制紅外線 LED。	
3 鏡頭	攝影機的鏡頭。	
4 紅外線 LED	這些紅外線 LED 是由照度感測器所控制。	
5 電源埠	電源端子台的埠。	
6 麥克風孔	麥克風是嵌入的。	
7 網路埠	用來連接 PoE 或乙太網路纜線，以連接至網路。	
8 Micro SD 記憶卡插槽	Micro SD 記憶卡插槽。	
9 警示輸入/輸出埠	ARM-IN	用來連接警示輸入感測器或外部日/夜感測器。
	ARM-OUT	用於連接警示輸出訊號。
	GND	這些是連接警示輸入/輸出訊號的共用埠。
10 重設按鈕	此按鈕可將所有攝影機設定恢復為原廠預設值。 按住約 5 秒即可重新啟動系統。 ■ 如果重設攝影機，網路設定將會調整，以便啟用 DHCP。如果網路中沒有 DHCP 伺服器，則必須執行 Device Manager 程式來變更 IP 位址、子網路遮罩、閘道等基本網路設定，才能連接到網路。	
11 測試監控輸出	用於測試監控視訊輸出的輸出埠。使用測試監控纜線即可連接至行動顯示器，並確認測試視訊。	

品項	描述	
12 變焦控制桿 (QND-6072R)	T	放大 (望遠端)
	W	縮小 (廣角端)
	鬆開控制桿，並將其向左或向右移動，即可縮放鏡頭。 順時針轉動控制桿，將調整好的位置固定住，以防控制桿移動。	
13 對焦控制桿 (QND-6072R)	N	對焦在附近的物體 (近)
	F	對焦在遙遠的物體 (遠)
	鬆開控制桿，並將其向左或向右移動，即可調整鏡頭對焦。 順時針轉動控制桿，將調整好的位置固定住，以防控制桿移動。	
14 變焦/對焦控制按鈕 (QND-6082R)	T	放大 (望遠端)
	W	縮小 (廣角端)
	N	對焦在附近的物體 (近)
	F	對焦在遙遠的物體 (遠)
	對焦控制	按壓此按鈕，以進行自動對焦控制。

概覽

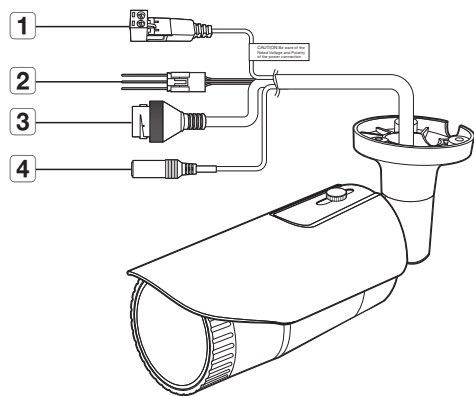
概覽 (QNO-6012R/6022R/6032R/6072R/6082R)

外觀



品項	描述	
1 Micro SD 卡插槽	(此產品的內部空間) 您可以將 Micro SD 卡插入此插槽。	
2 重設按鈕	此按鈕可將所有攝影機設定恢復為原廠預設值。 按住約 5 秒即可重新啟動系統。 ■ 如果重設攝影機，網路設定將會調整，以便啟用 DHCP。如果網路中沒有 DHCP 伺服器，則必須執行 Device Manager 程式來變更 IP 位址、子網路遮罩、閘道等基本網路設定，才能連接到網路。	
3 測試監控輸出	用於測試監控視訊輸出的輸出埠。使用測試監控纜線即可連接至行動顯示器，並確認測試視訊。	
4 遮陽板固定螺絲	可將遮陽板固定在攝影機上。	
5 遮陽板	可保護攝影機，避免陽光直射。	
6 變焦控制桿 (QNO-6072R)	T	放大 (望遠端)
	W	縮小 (廣角端)
7 對焦控制桿 (QNO-6072R)	鬆開控制桿，並將其向左或向右移動，即可縮放鏡頭。 順時針轉動控制桿，將調整好的位置固定住，以防控制桿移動。	
	N	對焦在附近的物體 (近)
	F	對焦在遙遠的物體 (遠)
8 變焦/對焦控制按鈕 (QNO-6082R)	鬆開控制桿，並將其向左或向右移動，即可調整鏡頭對焦。 順時針轉動控制桿，將調整好的位置固定住，以防控制桿移動。	
	T	放大 (望遠端)
	W	縮小 (廣角端)
	N	對焦在附近的物體 (近)
	F	對焦在遙遠的物體 (遠)
	對焦控制	按壓此按鈕，以進行自動對焦控制。

元件

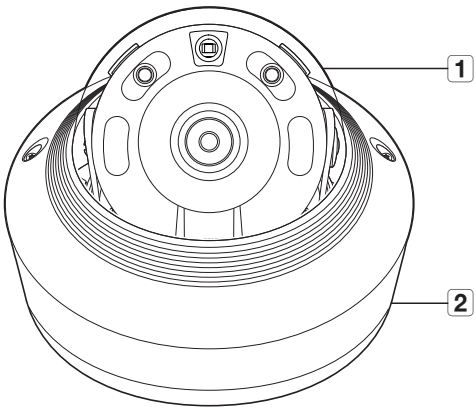


品項	描述	
1 電源埠	用於插入電源線。	
2 警示輸入/輸出埠	ARM-OUT	用於連接警示輸出訊號。
	GND	這些是連接警示輸入/輸出訊號的共用埠。
	ARM-IN	用來連接警示輸入感測器或外部日/夜感測器。
3 網路埠	用來連接 PoE 或乙太網路纜線，以連接至網路。	
4 音訊輸入插孔	用於連接麥克風。	

概覽

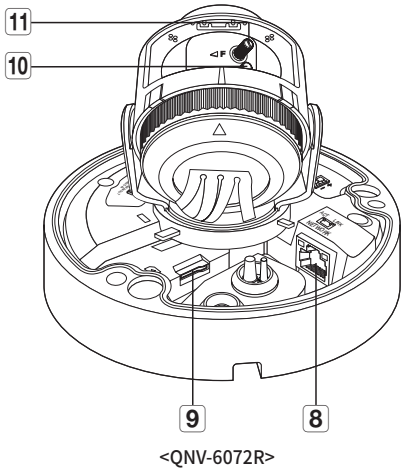
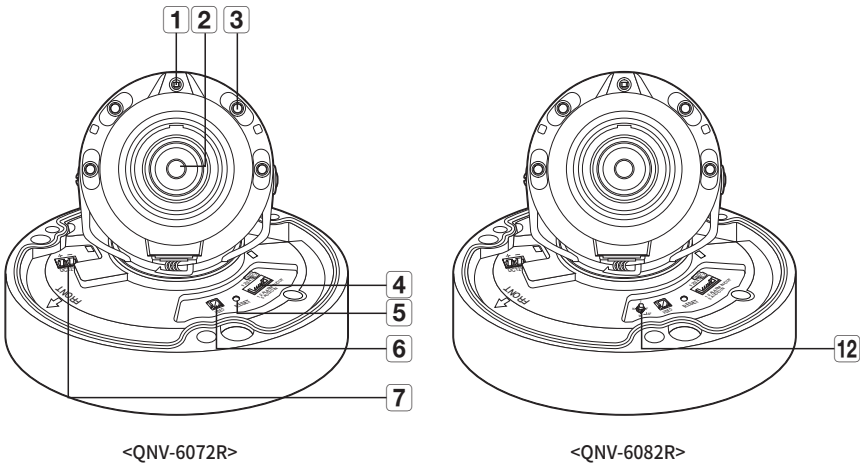
概覽 (QNV-6012R/6022R/6032R/6072R/6082R)

外觀



品項	描述
1 半球型蓋	用來保護鏡頭和攝影機的外殼蓋。
2 攝影機殼	覆蓋攝影機機身的外罩部分。

元件



品項	描述	
1 照度感測器	偵測進入的光線，以便控制紅外線 LED。	
2 鏡頭	攝影機的鏡頭。	
3 紅外線 LED	這些紅外線 LED 是由照度感測器所控制。	
4 音訊和警報纜線埠	ARM-IN	用來連接警示輸入感測器或外部日/夜感測器。
	ARM-OUT	用於連接警示輸出訊號。
	GND	這些是連接警示輸入/輸出訊號的共用埠。
	AUDIO IN	用於連接麥克風。
5 重設按鈕	此按鈕可將所有攝影機設定恢復為原廠預設值。 按住約 5 秒即可重新啟動系統。 ■ 如果重設攝影機，網路設定將會調整，以便啟用 DHCP。如果網路中沒有 DHCP 伺服器，則必須執行 Device Manager 程式來變更 IP 位址、子網路遮罩、閘道等基本網路設定，才能連接到網路。	
6 測試監控輸出	用於測試監控視訊輸出的輸出埠。使用測試監控纜線即可連接至行動顯示器，並確認測試視訊。	
7 電源埠	電源端子台的埠。	
8 網路埠	用來連接 PoE 或乙太網路纜線，以連接至網路。	
9 Micro SD 記憶卡插槽	Micro SD 記憶卡插槽。	
10 變焦控制桿 (QNV-6072R)	T	放大 (望遠端)
	W	縮小 (廣角端)
11 對焦控制桿 (QNV-6072R)	鬆開控制桿，並將其向左或向右移動，即可縮放鏡頭。 順時針轉動控制桿，將調整好的位置固定住，以防控制桿移動。	
	N	對焦在附近的物體 (近)
	F	對焦在遙遠的物體 (遠)
	鬆開控制桿，並將其向左或向右移動，即可調整鏡頭對焦。 順時針轉動控制桿，將調整好的位置固定住，以防控制桿移動。	

品項	描述	
12 變焦/對焦控制按鈕 (QNV-6082R)	T	放大 (望遠端)
	W	縮小 (廣角端)
	N	對焦在附近的物體 (近)
	F	對焦在遙遠的物體 (遠)
	對焦控制	按壓此按鈕，以進行自動對焦控制。

安裝和連接

安裝 (QND-6012R/6022R/6032R/6072R/6082R)

安裝前注意事項

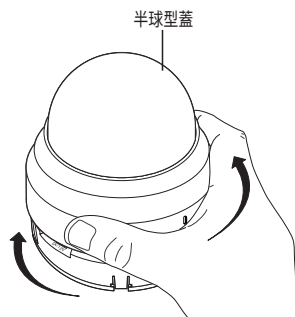
安裝攝影機前，請務必參閱下列說明：

- 攝影機機身必須安裝在可承受 5 倍攝影機重量 (包含安裝支架) 的區域 (天花板或牆壁)。
- 卡入或剝落的纜線可能會導致本產品損壞或火災。
- 基於安全考量，請其他人遠離安裝地點，並將個人物品放在現場的一旁，以防萬一。

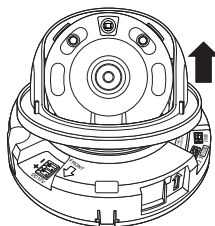
拆卸

1. 用一隻手握持攝影機的底部，然後用另一隻手逆時針轉動蓋子，將其分離。

- ❗ 撕下保護膜後，請勿碰觸半球型蓋的透明部分。

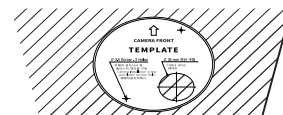


2. 掀起內蓋，將其分離。

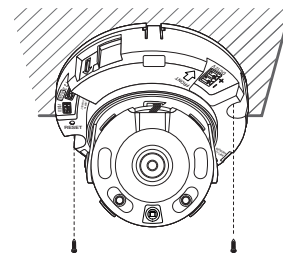


安裝

1. 考慮要監控的方向，放上樣板後按照樣板鑽孔。



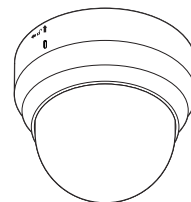
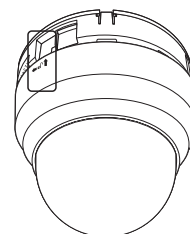
2. 使用 2 枚鐵板螺絲，將攝影機固定在透過樣板鑽取的 2 個孔。
 - 將印在攝影機上的 <◁> 標記朝向攝影機監控的方向。
3. 使用對應的纜線，連接攝影機內部端子。
4. 參閱「調整攝影機的監控方向」一節，將鏡頭調整至所需方向。(第 23 頁)



- ❗ 建議您不要觸碰鏡頭，因為攝影機鏡頭已在製造的最後階段經過妥善對焦。如果觸碰到鏡頭，鏡頭可能會無法對焦，或是被異物弄髒。

5. 請將內蓋與主機身相連接。
6. 如圖所示，一隻手抓住攝影機的底部時，另一隻手則抓住並推開蓋子，使兩個箭頭符號對齊。

- ❗ 若要組裝半球型蓋，請將箭頭彼此對齊，然後緊壓蓋子。如果在組裝期間旋轉半球型蓋，或是半球型蓋的組裝不正確，則可能發生漫反射現象，鏡頭部分亦可能會旋轉，導致拍攝範圍有所改變。
- 如圖所示，請務必將半球型蓋正確連接至底部。如果卡扣未正確連接，半球型蓋可能會掉落，且可能造成傷害。



安裝 (QNO-6012R/6022R/6032R/6072R/6082R)



■ 此為防水攝影機，符合 IP66 規格，但與外部纜線連接的插孔不防水。建議您將本產品安裝在屋簷邊緣的下方，以避免纜線外露。

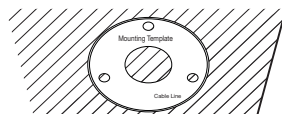
安裝前注意事項

安裝攝影機前，請務必參閱下列說明：

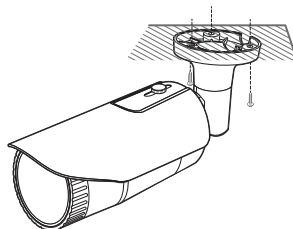
- 攝影機機身必須安裝在可承受 5 倍攝影機重量 (包含安裝支架) 的區域 (天花板或牆壁)。
- 卡入或剝落的纜線可能會導致本產品損壞或火災。
- 基於安全考量，請其他人遠離安裝地點，並將個人物品放在現場的一旁，以防萬一。
- 除了連接遮陽板以外，請勿將遮陽板孔用作為其他用途。
- 對於手動可變焦鏡頭攝影機，應在安裝前調整對焦和變焦等功能。調整這些設定時，請務必避免異物附著。

安裝

1. 考慮要監控的方向，放上樣板後按照樣板鑽孔。



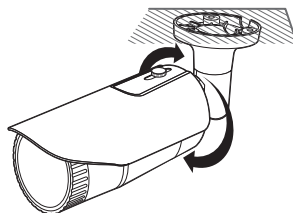
2. 將 3 枚鐵板螺絲插入 3 個孔並鎖緊，即可固定攝影機。
3. 將合適的纜線與攝影機端子相連接。



4. 使用提供的 L 扳手調整攝影機方向。

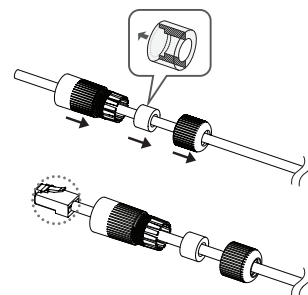


■ 使用支架調整攝影機位置時，請鬆開支架螺絲，調整攝影機，然後將其鎖緊。如果嘗試在螺絲鎖緊的情況下強行調整，則可能會造成刮傷或其他問題。



如何將 RJ45 防水纜線連接至 LAN 纜線

1. 按照箭頭方向插入纜線。

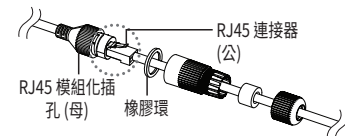


2. 將 LAN 連接器 (公) 連接至纜線。

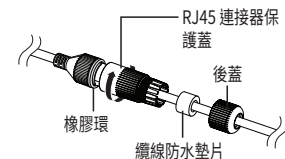
3. 將 RJ45 模組化插孔 (母) 連接到 RJ45 連接器 (公)。



■ 請將每個零件分開擺放。



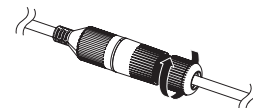
4. 順時針 (按照箭頭方向) 旋轉 RJ45 模組化插孔 (母) 和 RJ45 保護蓋進行組裝。



5. 順時針 (按照箭頭方向) 旋轉 RJ45 保護蓋和後蓋進行組裝。後蓋組裝後，纜線防水墊片會與纜線緊密貼合，使其達到防水效果。



■ 必須在完全組裝後，才能將後蓋旋轉至 RJ45 連接器的螺紋末端。



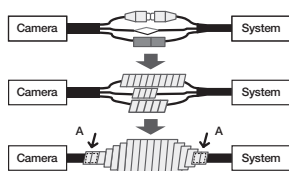
安裝和連接

室外安裝

在建築物外安裝時，請使用防水丁基橡膠膠帶（可在商店購買），避免水滲漏至連接至室外的電纜縫隙中以達到防水效果。

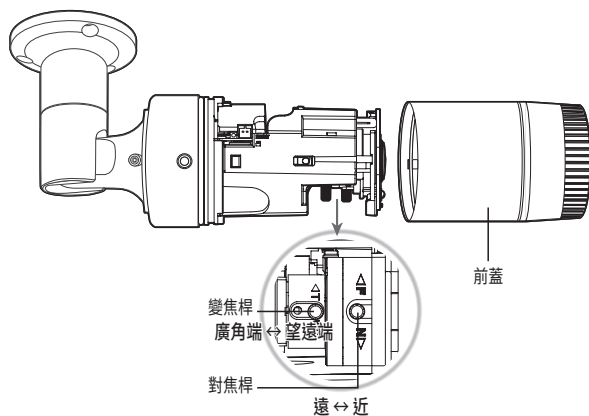
1. 連接電源、I/O、AUDIO 和 LAN 纜線。
2. 使用防水（丁基橡膠）膠帶纏繞黑色纜線護套（A 區）和電纜連接區域，使丁基橡膠膠帶重疊一半以上。

- 如果纜線護套的防水處理不當，則可能會直接導致漏水。請務必用密實的膠帶層來保護纜線。
- 防水丁基膠帶由丁基橡膠製成，可拉伸至正常長度的兩倍。



調整變焦係數或對焦 (QNO-6072R)

1. 如所示鬆轉開前蓋。
2. 稍微鬆開變焦/對焦桿。
3. 適當地將變焦/對焦桿的位置移動到廣角端（近）或望遠端（遠）。
4. 接著，鎖緊變焦/對焦桿，將調整過的位置固定住。
5. 轉動前蓋來將其鎖緊。



- 若要確保防水功能萬無一失，請將前蓋轉到底，將其鎖緊。組裝前蓋時，請將主機身和前蓋組裝在一起，讓 LOCK 指示器互鎖。
- 使用控制桿來調整變焦係數或對焦，然後順時針轉動桿子來將其固定。
- 在調整鏡頭的變焦係數/對焦前，請先轉開並取下前蓋。

安裝 (QNV-6012R/6022R/6032R)

- 此為防水攝影機，符合 IP66 規格，但與外部纜線連接的插孔不防水。建議您將本產品安裝在屋簷邊緣的下方，以避免纜線外露。

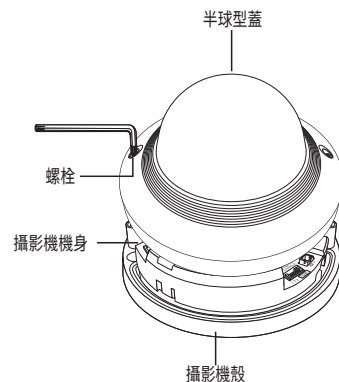
安裝前注意事項

安裝攝影機前，請務必參閱下列說明：

- 攝影機機身必須安裝在可承受 5 倍攝影機重量（包含安裝支架）的區域（天花板或牆壁）。
- 卡入或剝落的纜線可能會導致本產品損壞或火災。
- 基於安全考量，請其他人遠離安裝地點，並將個人物品放在現場的一旁，以防萬一。

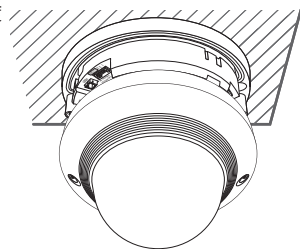
拆卸

1. 使用提供的 L 扳手，逆時針旋轉半球型蓋上的 2 個鎖緊螺栓，即可取下蓋子。



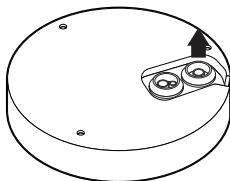
安裝

1. 使用提供的樣板作為配件，鑽取螺絲安裝孔（直徑 6 公釐、最小深度 55 公釐），將作為配件提供的塑膠錨確實插到底。
2. 將底部孔對準錨孔，然後插入並固定鐵板螺絲（M4.5xL50）。
3. 連接與整理必要的纜線，以免纜線在安裝攝影機時受損或纏繞。
4. 參閱「調整攝影機的監控方向」一節，將鏡頭調整至所需方向。（第 23 頁）
5. 將半球型蓋蓋上。
 - 使用 L 扳手，將鎖緊螺栓牢牢鎖緊，以防止漏水。

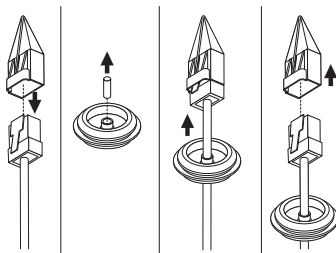


連接 LAN 纜線

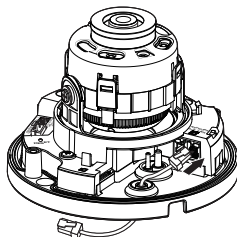
1. 取下半球型蓋和外殼。
 2. 如圖所示，拉出底部的纜線套管。
- 對於要連接的 LAN 纜線，使用適當的纜線套管。
- 基本攝影機：使用直徑為 Ø5 至 6.5 的纜線。



3. 將所提供之單孔纜線套管的突出部分拉出。
4. 使用護蓋安裝器，將 LAN 纜線穿過纜線套管。

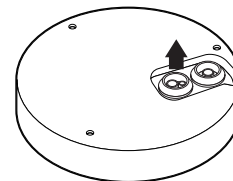


5. 將 LAN 纜線穿過在步驟 2 拆除纜線套管後所留下的孔洞，然後連接至乙太網路端子。
6. 將 LAN 纜線的套管插入該孔洞。

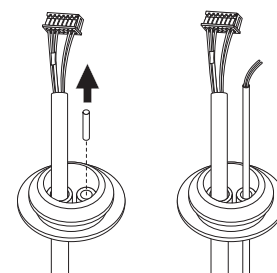


將音訊/警報纜線與電源線相連接

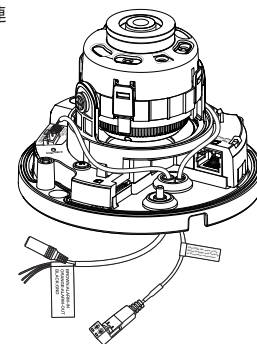
1. 取下半球型蓋和外殼。
2. 如圖所示，拉出底部的纜線套管。



3. 將警示/音訊纜線套管上的小小突出部分拉出，然後將電源線穿過套管。



4. 將警示/音訊纜線穿過在步驟 2 中拆除纜線套管後所留下的孔洞。分別連接至警示/音訊端子和 PCB 的電源端子台。
5. 安裝攝影機時，將纜線掛在固定的掛勾，以免纜線受損或被夾住。
6. 將警示/音訊纜線的套管插入該孔洞。
7. 參閱「調整攝影機的監控方向」一節，將鏡頭調整至所需方向。(第 23 頁)
8. 裝上半球型蓋。



安裝和連接

安裝 (QNV-6072R/6082R)

- !** ■ 此為防水攝影機，符合 IP66 規格，但與外部纜線連接的插孔不防水。建議您將本產品安裝在屋簷邊緣的下方，以避免纜線外露。

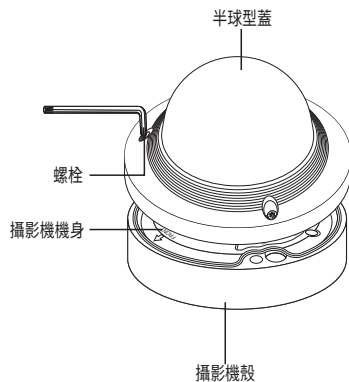
安裝前注意事項

安裝攝影機前，請務必參閱下列說明：

- 攝影機機身必須安裝在可承受 5 倍攝影機重量 (包含安裝支架) 的區域 (天花板或牆壁)。
- 卡入或剝落的纜線可能會導致本產品損壞或火災。
- 基於安全考量，請其他人遠離安裝地點，並將個人物品放在現場的一旁，以防萬一。
- 對於手動可變焦鏡頭攝影機，應在安裝前調整對焦和變焦等功能。調整這些設定時，請務必避免異物附著。

拆卸

1. 使用提供的 L 扳手，逆時針旋轉半球型蓋上的 3 個鎖緊螺栓，即可取下蓋子。

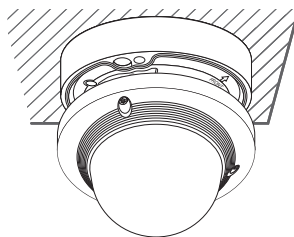


安裝

1. 使用提供的樣板作為配件、鑽取螺絲安裝孔 (直徑 6 公釐、最小深度 55 公釐)，將作為配件提供的塑膠錨確實插到底。
2. 將底部孔對準錨孔，然後插入並固定鐵板螺絲 (M4.5xL50)。
3. 連接與整理必要的纜線，以免纜線在安裝攝影機時受損或纏繞。
4. 參閱「調整攝影機的監控方向」一節，將鏡頭調整至所需方向。(第 23 頁)

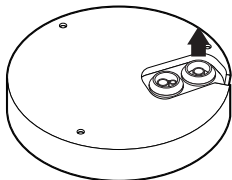
- !** ■ 對於手動可變焦鏡頭攝影機，應在安裝前調整對焦和變焦等功能。調整這些設定時，請務必避免異物附著。

5. 將半球型蓋蓋上。
 - 使用 L 扳手，將鎖緊螺栓牢牢鎖緊，以防止漏水。

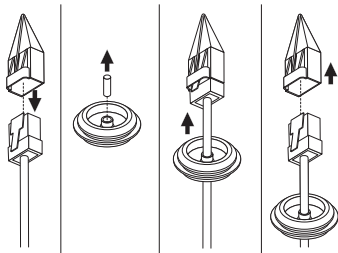


連接 LAN 纜線

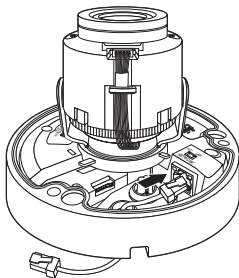
1. 取下半球型蓋和外殼。
 2. 如圖所示，拉出底部的纜線套管。
- 對於要連接的 LAN 纜線，使用適當的纜線套管。
- 基本攝影機：使用直徑為 Ø5 至 6.5 的纜線。



3. 將所提供之單孔纜線套管的突出部分拉出。
4. 使用護蓋安裝器穿過 LAN 纜線。

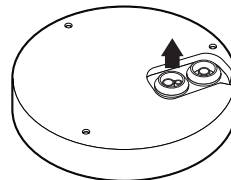


5. 將 LAN 纜線穿過在步驟 2 拆除纜線套管後所留下的孔洞，然後連接至乙太網路端子。
6. 將 LAN 纜線的套管插入該孔洞。

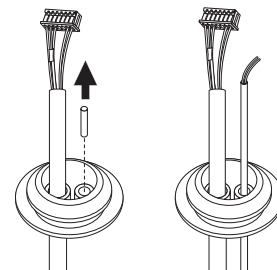


將音訊/警報纜線與電源線相連接

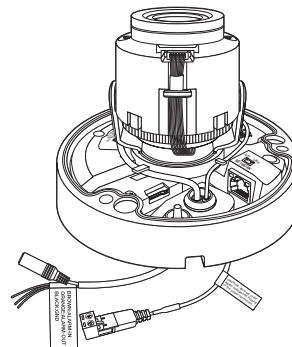
1. 取下半球型蓋和外殼。
2. 如圖所示，拉出底部的纜線套管。



3. 將警示/音訊纜線套管上的小小突出部分拉出，然後將電源線穿過套管。



4. 將警示/音訊纜線穿過在步驟 2 中拆除纜線套管後所留下的孔洞。分別連接至警示/音訊端子和 PCB 的電源端子台。
5. 安裝攝影機時，將纜線掛在固定的掛勾，以免纜線受損或被夾住。
6. 將警示/音訊纜線的套管插入該孔洞。
7. 參閱「調整攝影機的監控方向」一節，將鏡頭調整至所需方向。
(第 23 頁)
8. 裝上半球型蓋。



安裝和連接

裝上非綁售的轉接器

從下列選項 (非綁售) 中, 選擇並購買適合安裝地點或您方便使用的必要選項。

1. 請參閱「拆卸」一節, 將半球型蓋從外殼中取下。(第 20 頁)
2. 使用機械螺絲, 將攝影機殼固定至非綁售的轉接器。
3. 連接與整理必要的纜線, 以免纜線在安裝攝影機時受損或纏繞。
4. 按照「拆卸」的相反順序安裝攝影機機身。
5. 參閱「調整攝影機的監控方向」一節, 將鏡頭調整至所需方向。(第 23 頁)
6. 將半球型蓋蓋上。
 - 使用 L 扳手, 將鎖緊螺栓牢牢鎖緊, 以防止漏水。

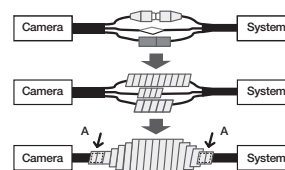
室外安裝

在建築物外安裝時, 請使用防水丁基橡膠膠帶 (可在商店購買), 避免水滲漏至連接至室外的電纜縫隙中以達到防水效果。

1. 連接電源、I/O、AUDIO 和 LAN 纜線。
2. 使用防水 (丁基橡膠) 膠帶纏繞黑色纜線護套 (A 區) 和電纜連接區域, 使丁基橡膠膠帶重疊一半以上。

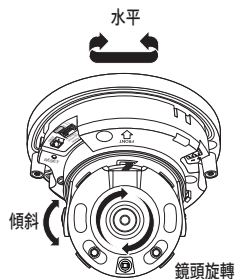


- 如果纜線護套的防水處理不當, 則可能會直接導致漏水。請務必用密實的膠帶層來保護纜線。
- 防水丁基膠帶由丁基橡膠製成, 可拉伸至正常長度的兩倍。



調整攝影機的監控方向

(QND-6012R/6022R/6032R/6072R/6082R·QNV-6012R/6022R/6032R/6072R/6082R)



■ 調整監控方向

只有當攝影機固定在天花板時，才能調整攝影機方向。

其中，將攝影機向左或向右轉稱為「水平」，調整傾斜角度稱為「傾斜」，而以鏡頭為軸旋轉則稱為「旋轉」。

- 水平的有效範圍總共是 350 度。
- 旋轉的有效範圍總共是 355 度。
- 傾斜的有效範圍總共是 67 度。



- 視角度而定，影像可能會被攝影機殼遮住。
- 請勿在拆卸半球型殼後，強行轉動對焦/變焦鏡頭。否則，可能會因馬達故障而導致無法對焦。

■ 調整方法

1. 安裝攝影機後，請考慮監控方向來調整水平角度。
2. 設定水平角度，使影像不會上下顛倒。
3. 調整傾斜角度，讓攝影機朝向監控物體。

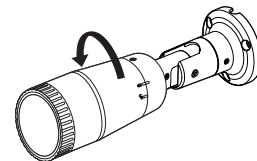
插入/取出 MICRO SD 記憶卡



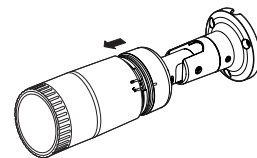
- 插入 Micro SD 記憶卡之前，請先拔下攝影機的電源線。
- 切勿在 Micro SD 記憶卡顛倒時強行插入，否則可能會損壞 Micro SD 記憶卡。
- 下雨或濕度較高時，不建議插入或彈出 Micro SD 卡。
- 產品蓋的拆卸應在 5 分鐘內完成，否則會有內部結露的風險。

插入 Micro SD 記憶卡 (QNO-6012R/6022R/6032R/6072R/6082R)

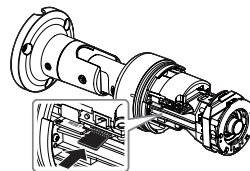
1. 將前蓋轉到解鎖 [☞] 方向。



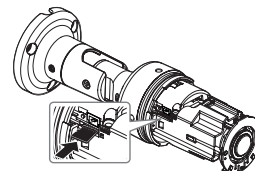
2. 拉開前蓋。



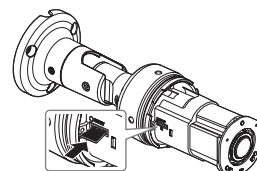
3. 按照圖中所示的箭頭方向插入 Micro SD 卡。



<QNO-6012R/6022R/6032R>



<QNO-6072R>

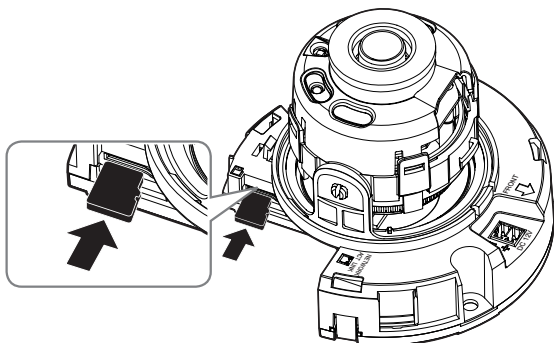


<QNO-6082R>

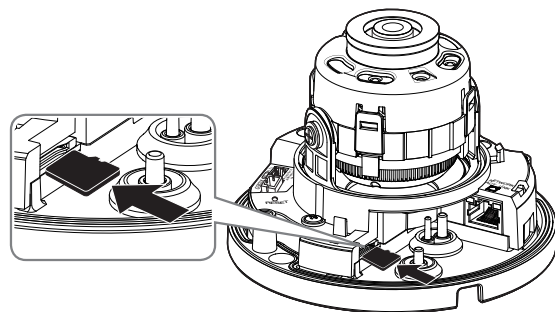
安裝和連接

插入 Micro SD 記憶卡 (QND-6012R/6022R/6032R/6072R/6082R、
QNV-6012R/6022R/6032R/6072R/6082R)

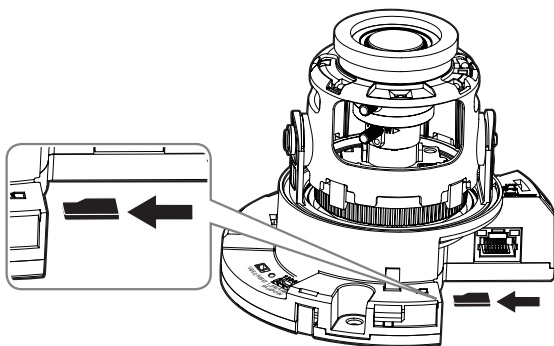
1. 將攝影機的半球型蓋拆開。
2. 按照圖中所示的箭頭方向插入 Micro SD 卡。



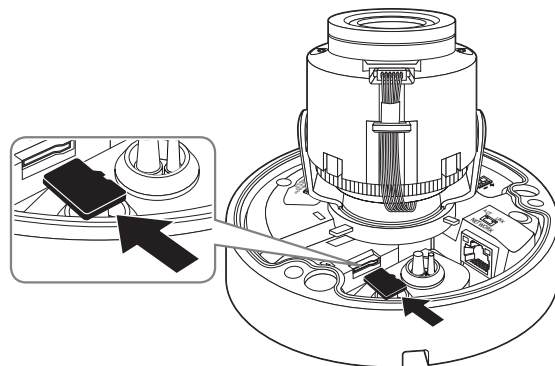
<QND-6012R/6022R/6032R>



<QNV-6012R/6022R/6032R>



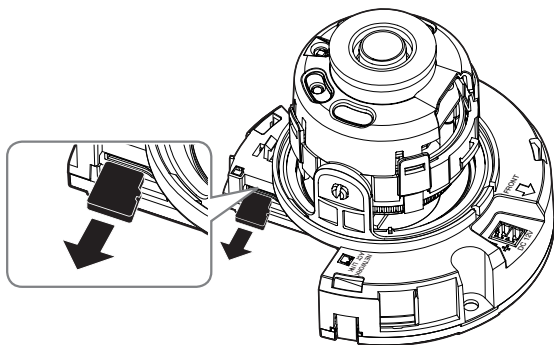
<QND-6072R/6082R>



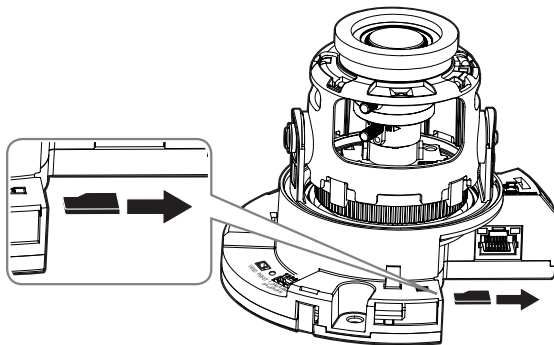
<QNV-6072R/6082R>

取出 Micro SD 記憶卡

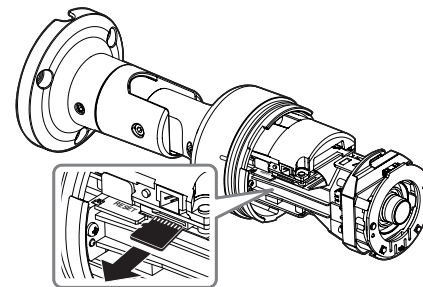
如圖所示，輕輕按下記憶卡外露的一端，將記憶卡從插槽中彈出。



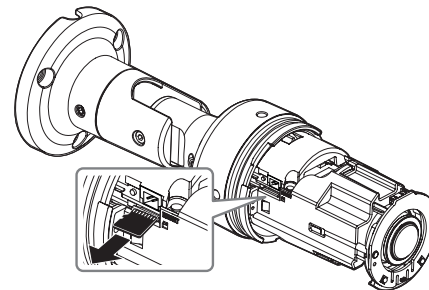
<QND-6012R/6022R/6032R>



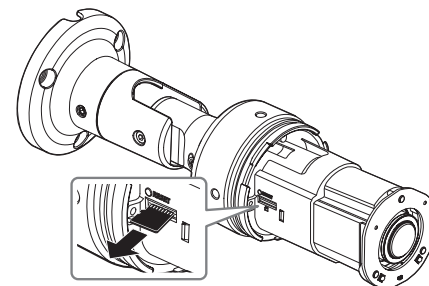
<QND-6072R/6082R>



<QNO-6012R/6022R/6032R>



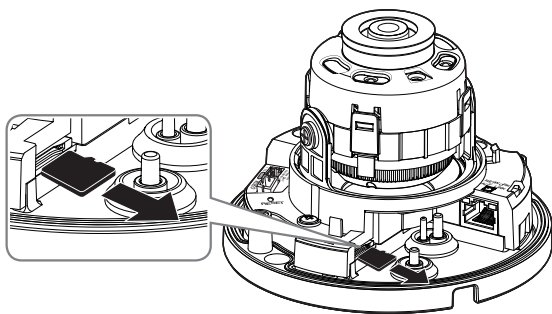
<QNO-6072R>



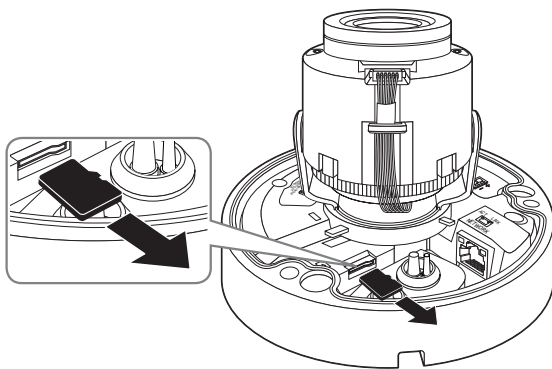
<QNO-6082R>



- 過度用力按壓 Micro SD 記憶卡，可能會導致卡片在鬆開時不受控地從插槽中射出。
- 取出 Micro SD 記憶卡之前，在 <儲存> 處，將裝置設為 <關閉>，並按下 [套用] 按鈕，然後關閉攝影機。
- 如果關閉攝影機或從本產品中取出包含資料的 Micro SD 記憶卡，可能會導致資料遺失或損壞。



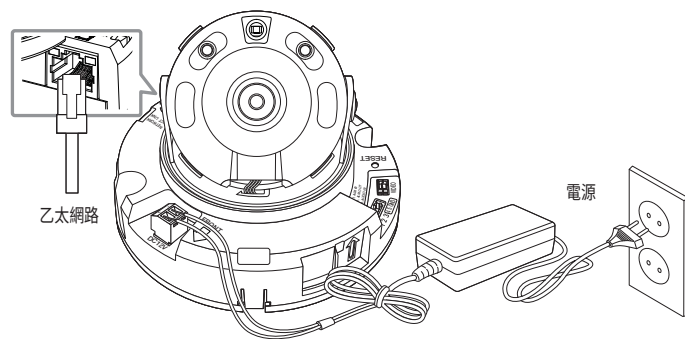
<QNV-6012R/6022R/6032R>



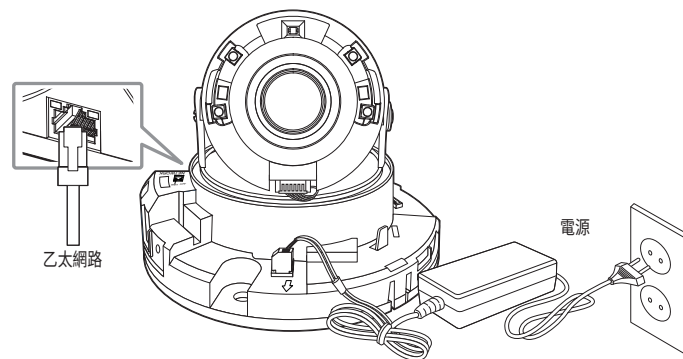
<QNV-6072R/6082R>

供電和網路

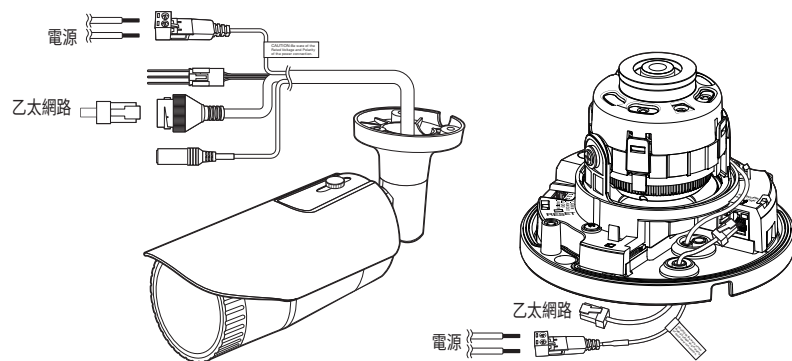
- 在將 DC 12 V 電源插頭插入插座前，請先裝上端子台。



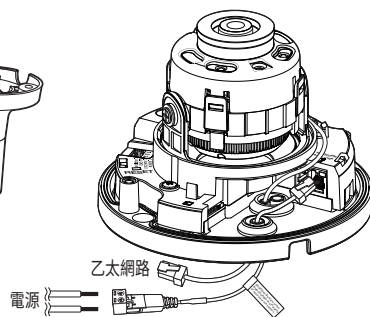
<QND-6012R/6022R/6032R>



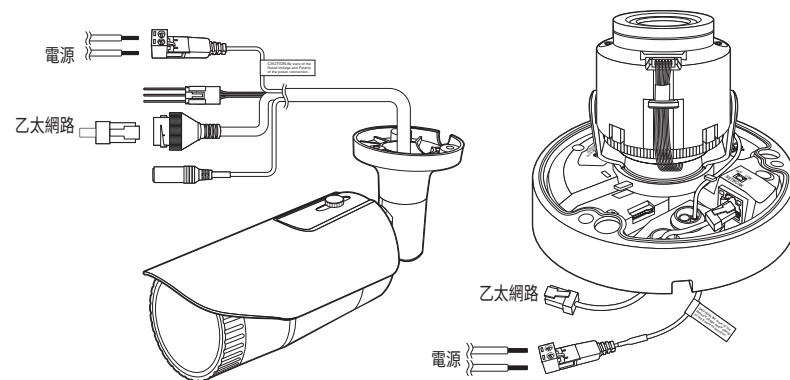
<QND-6072R/6082R>



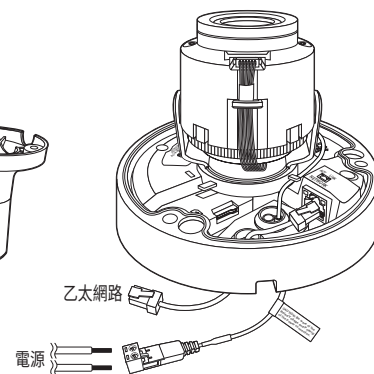
<QNO-6012R/6022R/6032R>



<QNV-6012R/6022R/6032R>



<QNO-6072R/6082R>



<QNV-6072R/6082R>

安裝和連接

乙太網路連接

將乙太網路纜線連接至本機網路或網際網路。

電源供應

使用螺絲起子將電源線的每條線 (+/-) 分別連接到對應的攝影機電源埠。

- !

- 如果同時使用 PoE 和 DC 12V，則產品會由 DC 12V 供電。
 - 您也可以使用具有 PoE 功能的路由器為攝影機供電。
 - 使用符合 IEEE 802.3af 通訊協定的 PoE。
 - 建議您只使用 PoE 和 DC 12V 其中一種電源。
 - 連接電源線時請注意勿接反極性。
 - 如果要連接外部裝置，必須先關閉外部裝置再繼續進行。

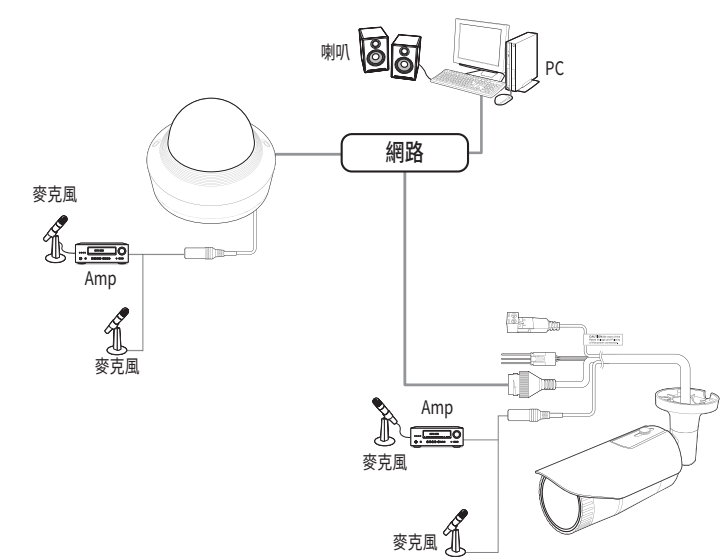
網路線規格

品項	內容	備註
連接器	RJ45	
乙太網路	10/100BASE-T	10/100 Mbps
纜線	類別 5e	
最大距離	100M	直流電阻 ≤ 0.125 Ω/m
PoE 支援	IEEE 802.3af	

- !

- 如果您使用非類別 5e 標準的纜線，則無法保證 100m 的傳輸距離。

連接到音訊輸入



1. 將攝影機的 AUDIO IN 埠與麥克風或 LINE OUT 埠相連接。

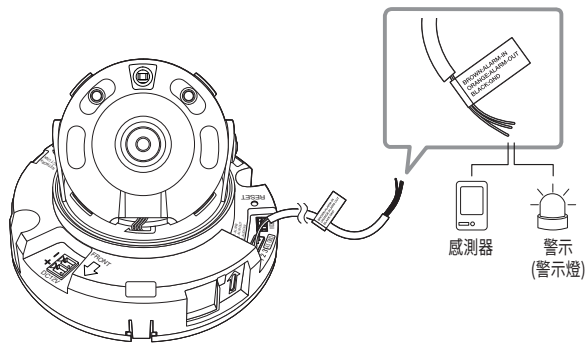
 QND 型號僅支援內建麥克風。

2. 檢查音訊輸入的規格。

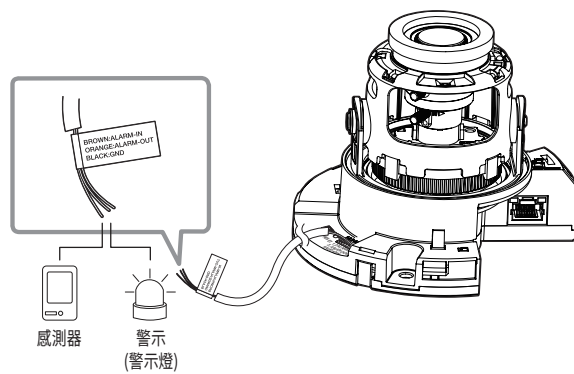
- 音訊轉碼器
 - 音訊輸入：G.711 PCM (位元速率：64kbps / 取樣頻率：8kHz)・G.726 ADPCM (位元速率：16Kbps、24Kbps、32Kbps、40Kbps / 取樣頻率：8kHz)
- 全雙工音訊
- 音訊輸入 (QND-6012R/6022R/6032R/6072R/6082R)：內建麥克風
- 音訊輸入 (QNO-6012R/6022R/6032R/6072R/6082R・QNV-6012R/6022R/6032R/6072R/6082R)：選用 (麥克風/線路輸入)，支援電壓：2.5VDC (4mA)，輸入阻抗：2K 歐姆

連接到輸入/輸出埠盒

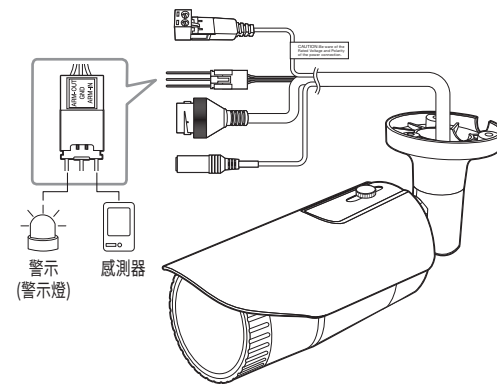
將警示輸入 / 輸出纜線連接到埠盒的對應埠。



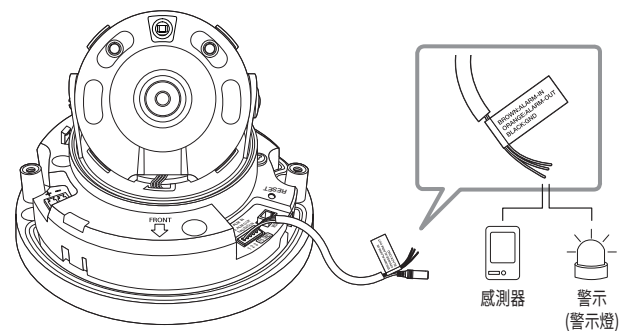
<QND-6012R/6022R/6032R>



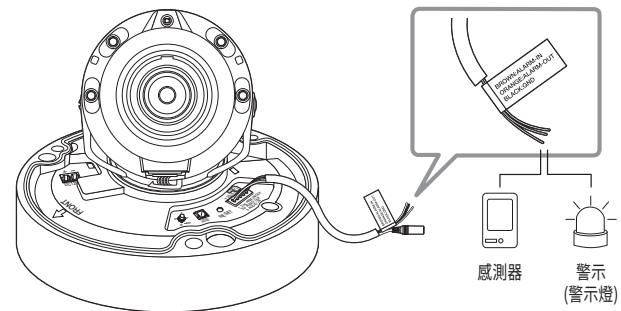
<QND-6072R/6082R>



<QNO-6012R/6022R/6032R/6072R/6082R>



<QNV-6012R/6022R/6032R>



<QNV-6072R>

安裝和連接

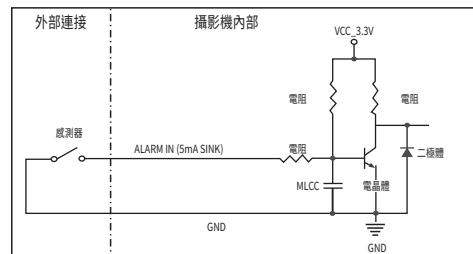
- ALARM IN: 用來連接警示輸入感測器或外部日/夜感測器。
- ALARM-OUT: 用於連接警示輸出訊號。
- GND: 警示輸入/輸出訊號的共用埠。

❗ 如果使用集電極開路方式連接超過電壓和電流規格的裝置 (例如閃光燈和警報器), 可能會造成故障。
在連接超出電壓和電流規格的裝置時, 請參閱「警示輸出接線圖」。

連接到外部感測器

將感測器每條訊號線 (2 股) 的一股連接至 [ALARM IN] 埠, 另一股連接至 [GND] 埠。

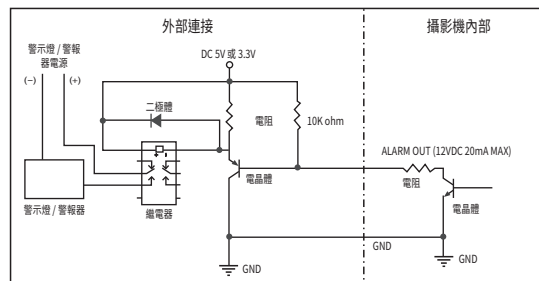
警示輸入接線圖



連接警示輸出

如果使用集電極開路方式連接超過電壓和電流規格的裝置 (例如閃光燈和警報器), 可能會造成故障。
在連接超出電壓和電流規格的裝置時, 請參閱「警示輸出接線圖」。

警示輸出接線圖



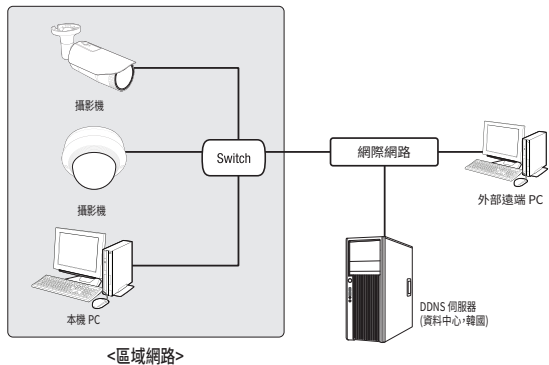
網路連線和設定

您可以按照您的網路配置進行網路設定。

將攝影機直接連到區域網路

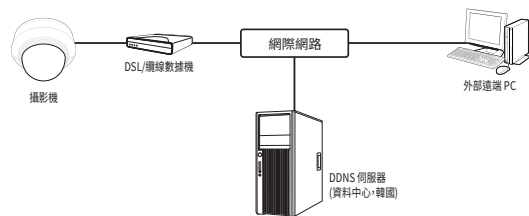
從區域網路中的本機 PC 連接到攝影機

- 1. 在本機 PC 上啟動網際網路瀏覽器。
- 2. 在瀏覽器網址列中輸入攝影機的 IP 位址。



- 如果未正確設定埠轉送或已設定防火牆，則區域網路以外的外部網際網路中的遠端 PC 可能無法連線到安裝在內部網路中的攝影機。
在這種情況下，若要解決問題，請聯絡您的網路管理員。
- 在 Device Manager 中，您可以使用初始密碼「4321」來設定 IP 位址、子網路遮罩、閘道、HTTP 埠、VNP 埠、IP 類型。在變更網路介面後，為提升安全性，請存取 Web Viewer，然後變更密碼。
- 出廠預設是從 DHCP 伺服器自動指派 IP 位址。
如果沒有可用的 DHCP 伺服器，IP 位址將設為 192.168.1.100。
若要變更 IP 位址，請使用「Device Manager」。
如需「裝置管理員」使用方式的詳細資訊，請參閱「使用 Device Manager」。(第 32 頁)

將攝影機直接連接到基於 DHCP 的 DSL/纜線數據機



- 1. 將使用者 PC 直接連接至網路攝影機。
- 2. 執行「Device Manager」並變更攝影機的 IP 位址，以便使用桌面上的網路瀏覽器連接到攝影機。
- 3. 使用網際網路瀏覽器連線到 Web Viewer。
- 4. 進入 [設定] 頁面。
- 5. 進入 [網路] - [DDNS] 並配置 DDNS 設定。
- 6. 進入 [基本] - [IP 和埠]，並將 IP 類型設為 [DHCP]。
- 7. 將自 PC 移除的攝影機直接連接到數據機。
- 8. 重新啟動攝影機。

- 關於如何設定 DDNS 的資訊，請參閱 Web Viewer 的線上說明。
- 關於如何設定 IP 格式的資訊，請參閱 Web Viewer 的線上說明。

使用 DEVICE MANAGER

- 可以從 Hanwha Vision 網站 (https://www.HanwhaVision.com) 的 <支援>-<線上工具> 功能表下載 Device Manager 程式。
- 關於「Device Manager」的詳細說明,請參閱主頁的 <說明> 功能表。

自動搜尋攝影機

如果攝影機與安裝了 Device Manager 的 PC 連接至同一個網路,則可以使用搜尋功能找到網路攝影機。

- 在 Device Manager 主頁按一下 <搜尋>。
- 從清單中找到攝影機。
 - 檢查攝影機貼紙上的 MAC 位址。

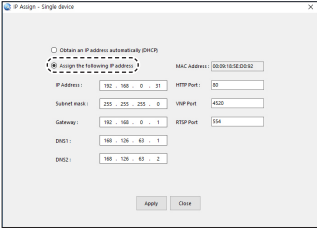
配置 IP 位址

若要變更攝影機網路設定,<狀態> 必須顯示 <登入成功> 的標記。在主頁按一下 <驗證> 即可登入。

配置靜態 IP

手動插入並配置 IP 位址與埠的資訊。

- 按一下清單中要變更 IP 設定的攝影機。
- 在 Device Manager 主頁按一下 <IP 指派>。
- 選擇 <指派下列 IP 位址>。
 - 攝影機 IP 資訊將顯示為先前設定的內容。
- 填寫 IP 和埠的相關類別。



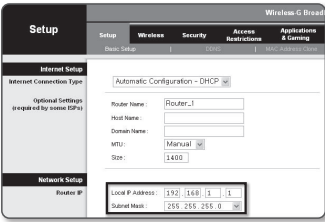
如果不使用寬頻路由器

若要設定 <IP 位址>-<子網路遮罩> 和 <閘道>,請聯絡您的網路管理員。

- HTTP 埠:用於透過網路瀏覽器存取攝影機,預設值為 80。
- VNP 埠:用來控制視訊訊號傳輸,預設值為 4520。
- RTSP 埠:控制即時串流的埠。初始值為 554。

如果使用寬頻路由器

- IP 位址:輸入寬頻路由器提供的 IP 範圍內的位址。
例如) 192.168.1.2~254、192.168.0.2~254、
192.168.XXX.2~254
- 子網路遮罩:寬頻路由器的 <子網路遮罩> 將會是攝影機的 <子網路遮罩>。
- 閘道:寬頻路由器的 <本機 IP 位址> 將會是攝影機的 <閘道>。



- 根據連接的寬頻路由器機型而定,設定可能會有不同。
如需詳細資訊,請參閱適用路由器的使用手冊。
- 如需寬頻路由器埠轉送的詳細資訊,請參閱「埠範圍轉送 (埠對應) 設定」。(第 34 頁)

如果寬頻路由器連接多個攝影機

分別配置 IP 相關設定和埠相關設定。

例如)

類別		攝影機 #1	攝影機 #2
IP 相關設定	IP 位址	192.168.1.100	192.168.1.101
	子網路遮罩	255.255.255.0	255.255.255.0
	閘道	192.168.1.1	192.168.1.1
埠相關設定	HTTP 埠	8080	8081
	VNP 埠	4520	4521
	RTSP 埠	554	555

- 如果 <HTTP 埠> 設為 80 以外的其他值,則必須在實際網路瀏覽器的網址列中提供 <埠> 的號碼,才能存取攝影機。
例如) http://IP 位址: HTTP 埠
http://192.168.1.100:8080

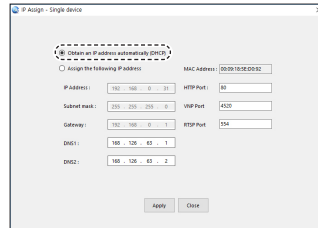
- 按一下 [套用] 按鈕。
- 如果顯示成功訊息,請按一下 [確定]。

配置動態 IP

從 DHCP 接收 IP 位址

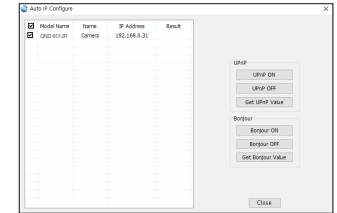
- 動態 IP 環境範例
 - 如果連接攝影機的寬頻路由器是由 DHCP 伺服器指派 IP 位址
 - 如果使用 DHCP 通訊協定將攝影機直接連接至數據機
 - 如果內部 DHCP 伺服器透過區域網路指派 IP

- 從清單中按一下要變更 IP 設定的攝影機。
- 在 Device Manager 主頁按一下 <IP 指派>。
- 選擇 <自動取得 IP 位址 (DHCP)>。
- 按一下 [套用] 按鈕。
- 如果顯示成功訊息，請按一下 [確定]。



自動配置 IP

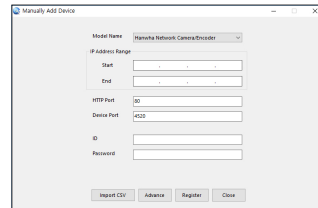
- 從清單中按一下要自動配置 IP 的攝影機。
- 在 Device Manager 主頁按一下 <+>。
 - 系統會顯示設備設定功能表。
- 在功能表中按一下 <自動 IP 配置>。
- 按一下 [關閉] 按鈕。



手動註冊攝影機

如果使用搜尋功能無法找到攝影機，可以手動插入 IP 資訊來遠端註冊攝影機，前提是攝影機需已連接到外部網路。

- 在 Device Manager 主頁按一下 <新增裝置> - <手動新增裝置>。
- 插入您要搜尋的 IP 位址範圍。
- 選擇要註冊的攝影機的 <機型名稱>，並輸入 HTTP 埠、ID 和密碼。
- 按一下 [註冊] 按鈕。
- 檢查攝影機是否已註冊。
 - 檢查攝影機貼紙上的 MAC 位址。



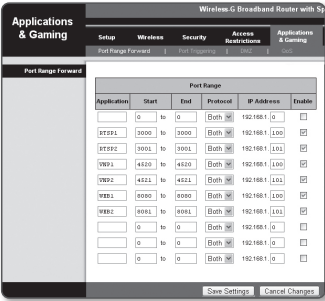
網路連線和設定

埠範圍轉送 (埠對應) 設定

如果您安裝連接了攝影機的寬頻路由器，則必須在寬頻路由器上設定埠範圍轉送，以便遠端 PC 可以存取其中的攝影機。

手動埠範圍轉送

- 1. 從寬頻路由器的設定功能表中，選擇 <應用程式與遊戲> - <埠範圍轉送>。
如需設定第三方寬頻路由器轉送埠範圍的相關資訊，請參閱該寬頻路由器的使用者指南。
- 2. 為各個連接到寬頻路由器的攝影機選擇 <TCP> 和 <UDP 埠>。
配置到 IP 路由器的各個埠號應根據攝影機 Web Viewer 上的 <設定> - <基本> - <IP 和埠> 中指定的埠號來設定。
- 3. 完成後，按一下 [儲存設定]。
系統會儲存您的設定。

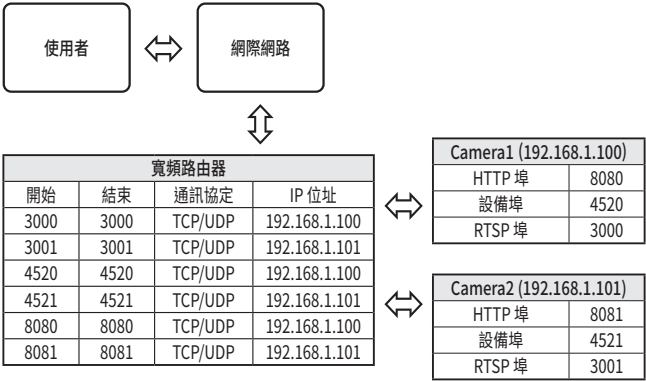


- 埠轉送設定為設定 CISCO IP 路由器的範例。
- 根據連接的寬頻路由器機型而定，設定可能會有所不同。
如需詳細資訊，請參閱適用路由器的使用手冊。

為多個網路攝影機設定埠範圍轉送

- 您可以透過寬頻路由器裝置的配置網頁來設定其埠轉送規則。
- 使用者可以使用攝影機設定畫面變更各個埠。

當 Camera1 和 Camera2 連接到路由器時：



- 如果路由器支援 UPnP (通用隨插即用) 功能，則路由器無須額外設定即可完成埠轉送。
連接網路攝影機後，從「設定 → 網路 → DDNS」的 <DDNS> 之中的功能表 <快速連線> 勾選核取方塊。

從共用本機 PC 連接到攝影機

1. 執行 Device Manager。
這會掃描已連接的攝影機，並將其以清單顯示。
2. 按兩下攝影機即可存取。
網際網路瀏覽器啟動並連線至攝影機。



■ 也可以在網路瀏覽器的位址列中輸入攝影機的 IP 位址，來存取攝影機。

透過網際網路從遠端 PC 連接至攝影機

在不屬於寬頻路由器網路叢集因而無法存取的遠端電腦上，使用者可以使用攝影機的 DDNS URL 存取寬頻路由器網路內的攝影機。

1. 在存取寬頻路由器網路中的攝影機之前，請先為寬頻路由器設定埠範圍轉送。
2. 從遠端 PC 啟動網際網路瀏覽器，並在位址列中輸入攝影機的 DDNS URL 位址或寬頻路由器的 IP 位址。
例如) <http://ddns.hanwha-security.com/ID>



■ 若要使用 DDNS，請在 DDNS 首頁 (<http://ddns.hanwha-security.com>) 註冊並在 [我的 DDNS] > [註冊產品] 中註冊產品。

Web Viewer

連接到攝影機

一般而言，步驟如下

1. 啟動網際網路瀏覽器。
2. 在位址列中輸入攝影機的 IP 位址。
例如) • IP 位址 (IPv4): 192.168.1.100 → <http://192.168.1.100>
- 接下來應會出現登入對話方塊。
• IP 位址 (IPv6): 2001:230:abcd:ffff:0000:0000:ffff:1111
→ [http://\[2001:230:abcd:ffff:0000:0000:ffff:1111\]](http://[2001:230:abcd:ffff:0000:0000:ffff:1111]) - 接下來應會出現登入對話方塊。

如果 HTTP 埠不是 80

1. 啟動網際網路瀏覽器。
2. 在網址列中輸入攝影機的 IP 位址和 HTTP 埠號。
例如) IP 位址: 192.168.1.100: HTTP 埠號 (8080)
→ <http://192.168.1.100:8080> - 登入對話方塊應該會出現。

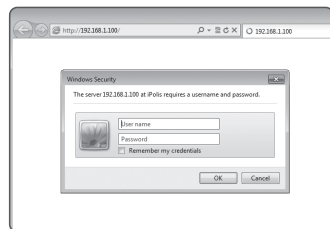
使用 URL

1. 啟動網際網路瀏覽器。
2. 在網址列中輸入攝影機的 DDNS URL。
例如) URL 位址: <http://ddns.hanwha-security.com/ID>
- 接下來應會出現登入對話方塊。

 ■ 在僅區域網路的環境中，網路連線會停用。

透過 UPnP 連接

1. 執行支援 UPnP 通訊協定的用戶端或作業系統。
2. 按一下攝影機名稱進行搜尋。
在 Windows 作業系統中，按一下從網路功能表搜尋到的攝影機名稱。
- 登入視窗隨即顯示。



透過 Bonjour 連接

1. 執行支援 Bonjour 通訊協定的用戶端或作業系統。
2. 按一下攝影機名稱進行搜尋。
在 Mac 作業系統中，按一下從 Safari 的 Bonjour 索引標籤找到的攝影機名稱。
- 登入視窗隨即顯示。

檢查 DDNS 位址

如果攝影機直接連接到 DHCP 纜線數據機或 DSL 數據機，每次嘗試連接到 ISP (網際網路服務供應商) 伺服器時，網路的 IP 位址都會變更。

若是這種情況，您將不會收到 DDNS 變更 IP 位址的通知。

在 DDNS 伺服器註冊使用動態 IP 的裝置後，您便可以在嘗試存取該裝置時輕鬆檢查變更後的 IP。

若要将您的裝置註冊到 <DDNS> 伺服器，請先造訪 <http://ddns.hanwha-security.com> 並註冊您的裝置，然後將 Web Viewer 的 <網路> - <DDNS> 設為 <DDNS>，並提供註冊 DDNS 時使用的 <產品 ID>。

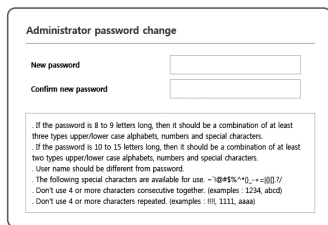
設定密碼

首次存取產品，須註冊登入密碼。

「密碼變更」視窗出現後，請輸入新的密碼。



- 若新密碼長度為 8 到 9 個位數，須至少包含下列 3 種字元：大小寫字母、數字與特殊字元。若密碼長度介於 10 到 15 個位數，則須至少包含上述 2 種字元。
 - 可使用的特殊字元：~`!@\$%^&*()_-=+[]{}.,?/
- 為提高安全性，建議密碼不要包含重複的字元，或鍵盤上的相鄰字元。
- 如遺失密碼，可按下 [RESET] 按鈕，將產品初始化；請寫下或記下密碼，以免遺失。



登入

只要存取攝影機，就會出現登入視窗。

請輸入使用者 ID 與密碼來存取攝影機。

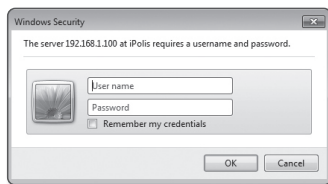
1. 請在 <User Name> 輸入方塊中輸入「admin」。
管理員 ID「admin」是固定的，不可變更。
2. 請在 <Password> 輸入欄位中輸入密碼。
3. 按一下 [OK]。
如果成功登入，您便會看見 Live Viewer 畫面。



- 使用攝影機 Web Viewer 時，請特別注意安全性，檢查影像資料是否已加密。



- 如果在完成輸入時勾選「記住我的登入資料」選項，未來就能自動登入，而不會收到登入資訊的輸入提示。
- 在畫面尺寸為 100% 時，您會體驗到最佳的視訊品質。
縮小比例可能會裁切到影像的邊緣。



攝影機 WEB VIEWER 設定

1. 按一下 [設定 (⚙️)] 圖示。
2. 「設定」視窗隨即出現。
3. 您可以透過網路來配置攝影機的基本資訊、視訊、音訊、網路、事件、分析和系統等設定。
4. 按一下 <說明 (ℹ️)> 即可檢視各項功能的詳細說明。

疑難排解

問題	解決方案
Windows 10 使用者透過 Chrome 或 Firefox 存取 Web Viewer 時，麥克風的音量每隔一段時間就會改變。	當麥克風驅動程式設為 Realtek 驅動程式時，就會出現這種情況。安裝 High Definition Audio 裝置 (Windows 預設驅動程式) 或第三方驅動程式做為麥克風驅動程式。
透過 HTTPS 存取 Safari 上的無外掛程式的 Web Viewer 時，視訊並未顯示。	- 在初次存取 https 時出現的驗證彈出視窗中，按一下「檢視驗證憑證」，然後勾選「連線到指定的 Web Viewer IP 時一律信任」核取方塊。 - 如果在下方的訊息視窗中選擇「下一步」後，Web Viewer 仍無法顯示視訊，請按下命令鍵 + Q 退出 Safari 瀏覽器，再次存取並按照上述程序操作。
我無法從網路瀏覽器存取攝影機。	- 檢查並確認攝影機的網路設定正確。 - 檢查並確認所有網路線均已正確連接。 - 如果使用 DHCP 連線，請確認攝影機是否能夠順利取得動態 IP 位址。 - 如果攝影機連接至寬頻路由器，請確認埠轉送是否已正確配置。
Viewer 在監控期間中斷連線。	- 當攝影機或網路配置發生任何變更時，已連線的 Viewer 會中斷連線。 - 檢查所有網路連線。
當我剛存取 Web Viewer 或將串流連接至用戶端時，沒有顯示任何視訊。	- 可用的設定檔數上限為 3。 - 如果您使用 4 個以上的設定檔，則連線可能會遺失。 - 範例) 如果您存取 MJPEG、H264 和 H265，然後使用不同的設定檔存取時，連線將會遺失。
在 Device Manager 程式中偵測不到連接至網路的攝影機。	關閉 PC 上的防火牆設定，然後再次搜尋攝影機。
影像重疊。	檢查兩個或多個攝影機是否設為單一多點傳送位址，而非不同的位址。如果多個攝影機使用單一位置，影像便可能會重疊。
沒有影像出現。	如果傳輸方式設為多點傳送，請檢查攝影機連接的區域網路中是否有支援多點傳送的路由器。
即使已配置音訊輸入設定，卻仍無法錄製語音。	您必須在 <基本> - <視訊設定檔> 中勾選 <音訊輸入> 核取方塊。

問題	解決方案
<分析> 的 <動作偵測> 設為 <啟用>，但即使發生分析事件，也沒有收到通知的電子郵件。	- 請按照下列順序確認設定： A. 檢查 <資料和時間> 設定。 B. <動作偵測> 應設為 <啟用>。 C. 檢查是否勾選使用 <事件設定> 功能表中的 <電子郵件> 選項。
無法錄製至 Micro SD 卡。	檢查記憶卡是否故障。
已插入 Micro SD 卡，但攝影機無法正常運作。	- 檢查記憶卡插入方向是否正確。不保證使用其他裝置格式化的記憶卡可在本攝影機上正常運作。 - 在 <設定> 中再次格式化記憶卡 → <事件> → <儲存> 功能表。
無法在 NAS 中錄製。	確認 NAS 中註冊的的資訊正確無誤。
系統回報 NAS 設定失敗。	- 確認 NAS 的 IP 位址有效。 - 確認 NAS 的 ID/密碼有效。 - 確認您可以使用 NAS 的 ID 存取指定為預設資料夾的資料夾。 - 確認未勾選 NAS 的 SMB/CIFS 項目。 - 確認 NAS IP 位址和攝影機 IP 位址的格式相同。 - 例如) NAS 和攝影機子網路遮罩的初始值為 255.255.255.0。 - 如果 IP 位址為 192.168.20.32，則 NAS IP 位址應在 192.168.20.1~192.168.20.255 的範圍內。 - 檢查您是否未在將已儲存或使用的預設資料夾格式化的情況下，嘗試以其他使用者身分進行存取。 - 確認您使用的是建議的 NAS 設備。

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iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtcd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtcd-utils
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
zeroconf	GPL 2.0	

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inetutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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- Version 1.1

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It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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established by T-Engine Forum
on January 23, 2004
revised on June 17, 2004
revised on December 21, 2006
revised on March 24, 2009

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1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware:
 1. The Hardware-dependent Part and/or Compiler-dependent Part; provided that the Source Code User and the System Developer shall inform T-Engine Forum of, and T-Engine Forum may publish, a method for distributing said Part(s) to third parties.
 2. The Header File; provided that the Header File shall be distributed together with the Binary Code of the Ported Source Code.
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 3. The member shall submit test results of the Ported Source Code to T-Engine Forum when requesting the distribution.
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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.5 of 10 December 2007

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Iperf performance test
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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

產品名稱:網路攝影機

產品型號: QND-6012R,QND-6022R,QND-6072R,QND-6082R,QNO-6012R,QNO-6022R

功率:

QND-6012R,QND-6022R - PoE(IEEE802.3af, Class3): 最大 7.4 W, 標準 6 W / 12 VDC: 最大 6.4 W, 標準 5.1 W
QND-6072R,QND-6082R - PoE(IEEE802.3af, Class3): 最大 7.7 W, 標準 6 W / 12 VDC: 最大 6.5 W, 標準 5.1 W
QNO-6012R,QNO-6022R - PoE(IEEE802.3af, Class3): 最大 7 W, 標準 5.2 W / 12 VDC: 最大 6.1 W, 標準 4.5 W

原產國家:越南

原產品牌:Hanwha Vision

地址 (經銷合作夥伴分公司):

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