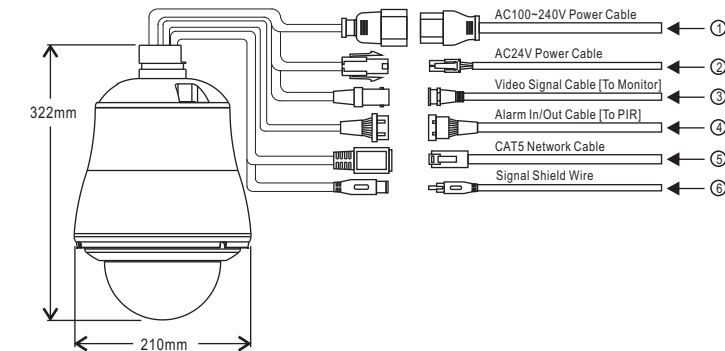


D/N WDR HD Fast Dome IP CAMERA

Installation Guide

66-4204CSB-1

Part Description & Dimensions



① AC100~240 Power Cable

② AC24V Power cable

Recommended cable:

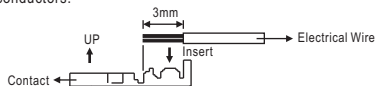
Copper Wire (AWG)	#24 (0.22mm ²)	#22 (0.33mm ²)	#20 (0.52mm ²)	#18 (0.83mm ²)
Cable Length (approx.)				
(m)	20	30	45	75
(ft)	65	100	160	260

Accessory Connector Information

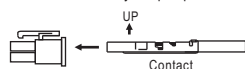
PIN	Power
1	AC24V Live (Black)
2	AC24V Neutral (White)
3	Earth (Green)
4	NA

Assemble the Cable with the Accessory Connector

a. strip back the cable jacket approx. 3mm and separate the individual conductors.



b. Prepare the individual conductors for clamping. After clamping the contacts, push them into the proper holes in the accessory connector of this camera until they snap in place.



CAUTIONS: CONNECT THIS TO 24V AC CLASS 2 POWER SUPPLY ONLY.

③ Video Out BNC Jack

Video signal output: CVBS 1.0Vp-p 75Ω BNC
Recommended cable: CABLE 5C2V

④ Alarm In/Out connector

Every camera provides 6 alarm inputs and 1 alarm output

Voltage for alarm inputs: 5.6Vmax; alarm output: 1A 24VDC

Recommended cable: UL 26AWG 80°C 300V

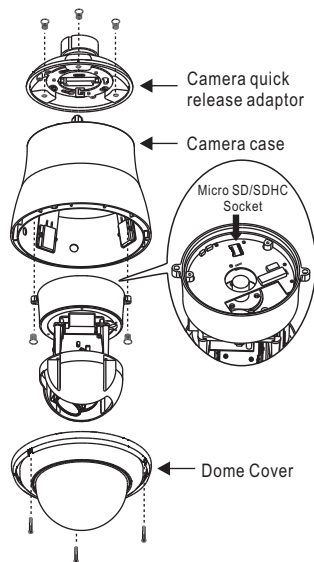
UL 24AWG 80°C 300V



Alarm Out: Reset (Pink)	Alarm In: GND (Black)
NC (Brown)	IN6 (Red)
NO (Gray)	IN5 (Green)
COM. (White)	IN4 (Orange)
	IN3 (Blue)
	IN2 (Yellow)
	IN1 (Violet)



Warning: Do not throw your product in municipal waste. This product has been designed to enable proper reuse of parts and recycling. The symbol of the crossed out wheeled bin indicates that the product (electrical and electronic equipment) should not be placed in municipal waste. Check local regulation for disposal of electronics products.



⑤ RJ-45 network connector

LAN: 10/100Mbps

Recommended cable: CAT5

⑥ Audio In/Out RCA Jack

Audio signal: 1.4Vp-p(1 Vrms)

Recommended cable: shielded signal cable

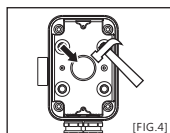
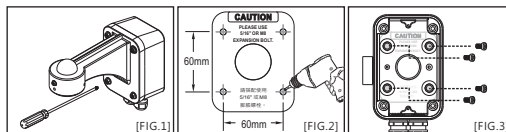
Installation

● **Step 1** Secure the bracket base to the wall

Loosen the four bolts from the base (FIG. 1). Attach the installation sticker to the wall and drill four holes according to the instructions (FIG. 2). Tighten four bolts to secure the base to the wall (FIG. 3).

Note:

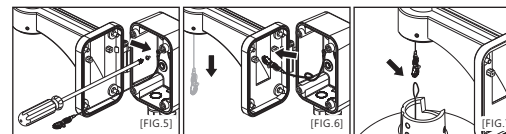
1. The recommended length of the wall-mounted screw is 1.5" (38.1mm) or more
2. The bolts are not included in the package.



To use the central hole on the base, first hammer the lid off (FIG. 4).

● **Step 2** Secure the safety strap

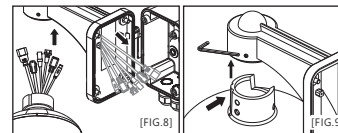
To prevent the camera from falling, you should first secure the safety strap. Properly secure the safety strap to the bracket, and slip the safety strap through the bracket (FIG. 5 & FIG. 6). Secure the safety strap to the camera body (FIG. 7).



● **Step 3** Attach the camera body to the bracket

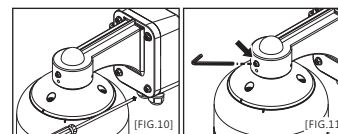
Slip the control wires through the bracket (FIG. 8). Align the camera body with the bracket before tightening the bracket bolts (FIG. 9).

Note: AC cable is preferred.



● **Step 4** Connect the control wires

Connect the AC power connector, RJ-45 cable and control wire. Secure the bracket to the base (FIG. 10) and finish the installation.



Note: After completing the installation of the dome camera, lock the safety screw on the camera bracket to avoid falling (FIG. 11).

Low Temperature Power-Up

Camera may perform abnormally at low temperature. Hence, follow the below procedure when the camera is off due to power outage or other issues and needs to be restarted under -40°C to -5°C.

Low temperature power-up procedure

Power up and wait for the heater to warm up for 15 minutes before you operate the camera.

Emergency Factory Default

To restore the hardware to factory default settings, please follow these steps:

1. Short the "RESET" and "GND" wire of alarm in/out connector for 10 seconds before releasing.
2. The camera will be restored to factory default settings after approximately 90 seconds and will reboot automatically.
3. Search for the IP device using the IPScan software.
4. Start the IP device via an Internet browser.
5. Enter the username and password to operate.

NOTE1: The factory default username and password are empty, and the user can set an account for login.

NOTE2: The IP address will revert to the default setting of 192.168.0.200.

Before Accessing IP Cameras

Before accessing the IP camera, make sure that the camera's RJ-45 network, audio, and power cables are properly connected. To set the IP address, consult your network administrator for an available IP address. The default IP address for each IP camera is 192.168.0.200. Users can use the default IP address for verifying the camera's network connection.

Software Requirements

Universal ActiveX software components are required for web interface display of JPEG or Full HD video. When you login to the IP camera by Internet Explorer, the security warning dialog box will prompt the installation of the Universal ActiveX. Click **Install** to download it.

Configuring IP Addresses via Web Interface

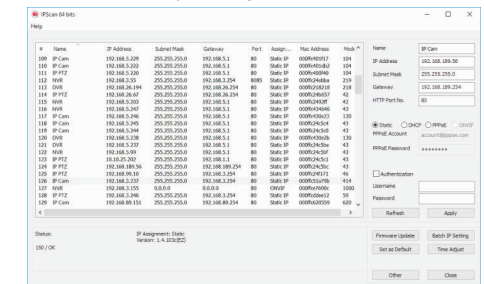
To change an IP address via web interface, type the default IP address (192.168.0.200) in the Internet browser and follow the steps below:

1. Login to the Full HD IP camera with the set username and password.
2. Click **Basic Mode** configuration hyperlink.
3. Click **Network->General** hyperlink.
4. Change the IP address, subnet mask, gateway, or HTTP port for the IP camera.
5. Click **Submit** to verify the settings.

Configuring IP Addresses with IPScan Software

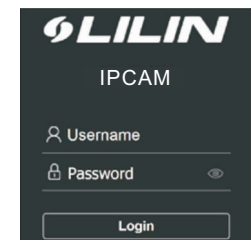
To change the settings of the IP address, subnet mask, gateway, or HTTP port, you can follow the steps below:

1. Run the IPScan software.
2. Click **Refresh**. All available devices should be listed in the device list.
3. Select your device from the list provided.
4. Change the IP address, subnet mask, gateway, or HTTP port for the IP camera.
5. Click **Apply** to submit the settings.
6. Click **Refresh** to verify the settings.



Login

The factory default username and password are empty. To login to the Full HD IP camera, please set the username and password on the login page. Press [Login] to complete the setting and login simultaneously.



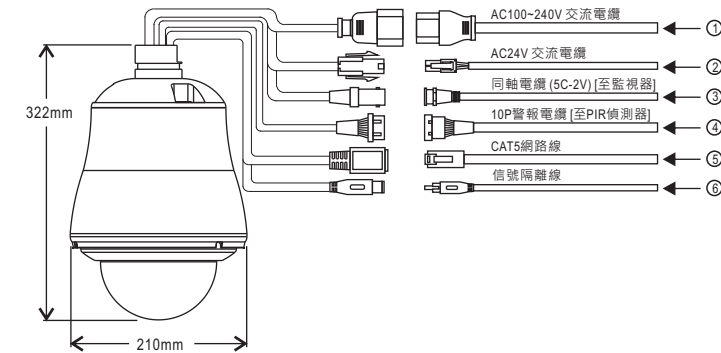
Password have to meet the following criteria:

1. More than or equal to 8 characters.
2. Allow uppercase letter, lowercase letter, number digit, and special character.
3. Must have at least three types of character sets.

日夜兩用寬動態高畫質高速球型網路攝影機

安裝說明

部件說明及尺寸



- ① AC100~240V交流電纜
- ② AC24V電源端子

建議使用線材規格尺寸：

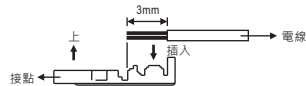
銅線規格 (AWG)	#24 (0.22mm ²)	#22 (0.33mm ²)	#20 (0.52mm ²)	#18 (0.83mm ²)
電纜長度 (約)				
(米)	20	30	45	75
(英尺)	65	100	160	260

插頭資訊

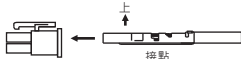
接腳號	電 源
1	24V交流火線(黑色)
2	24V交流零線(白色)
3	地線(綠色)
4	未使用

電纜與附件插頭組裝方式

- 將電纜與外皮剝開大約3mm並從單根導線上除掉外皮，將單根導線插入附件插頭並夾緊。



- 夾緊接點後，將其推插入本攝影機附件插頭的相應孔內，直至其發生卡嗒聲。



註：只能連接至AC24V交流電源。

③ 影像輸出端子 (Video Out)

影像信號輸出 CVBS 1.0Vp-p 75Ω BNC
建議使用線材規格：CABLE 5C2V

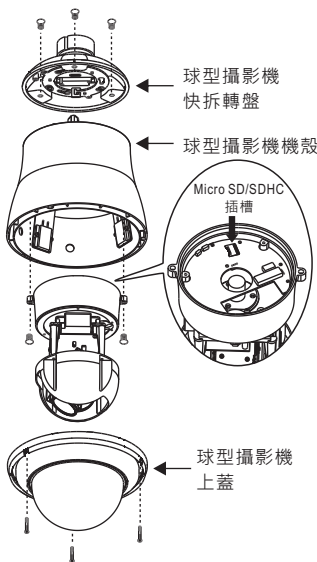
④ 警報輸入端子 (Alarm In/Out)

每一台快速球型攝影機提供6個外部警報輸入點及1個警報觸發輸出
警報輸入點電壓5.6Vmax，警報輸出規格1A 24VDC
建議使用線材規格：UL 26AWG 80°C 300V
UL 24AWG 80°C 300V



Alarm Out: Reset	(Pink)	Alarm In: GND	(Black)
NC	(Brown)	IN6	(Red)
NO	(Gray)	IN5	(Green)
COM.	(White)	IN4	(Orange)
		IN3	(Blue)
		IN2	(Yellow)
		IN1	(Violet)

警語：此圖示，指在廢棄產品時不可直接丟棄垃圾桶，應進行拆解，並分類進行回收再利用。



RJ-45網路連接端子

LAN: 10/100Mbps

建議使用線材規格：CAT5

⑥ 聲音輸入/輸出端子 (Audio In/Out)

聲音信號：1.4Vp-p(1Vrms)

建議使用線材規格：信號隔離線

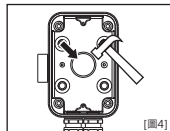
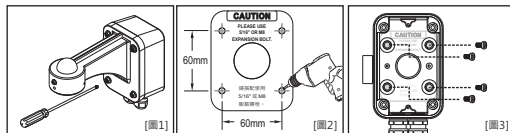
安裝

● 步驟1 將支架底座固定於牆壁

將4顆螺絲由支架底座轉開 (圖1)，黏貼安裝孔位貼紙於牆上欲安裝之位置並鑽孔 (圖2)。再將支架底座對準孔位鎖入4顆螺絲固定於牆壁 (圖3)。

註：1. 壁掛螺絲長度建議1.5英寸(38.1mm)以上

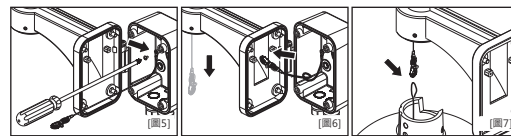
2. 螺絲非配件，請使用者自行處理。



如需使用支架底座中央孔，請於安裝前先用工具將此圓孔敲下 (圖4)。

● 步驟2 安裝安全吊繩

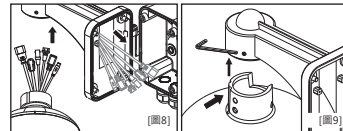
先將安全吊繩鎖上支架底座，再將安全吊繩穿過支架 (圖5&圖6)。接著再將安全吊繩扣在攝影機主體的吊繩上，避免掉落 (圖7)。



● 步驟3 將攝影機與支架結合固定

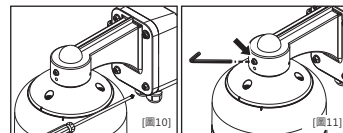
先將控制線組穿過支架，對準凹槽將攝影機與支架結合並將支架螺絲鎖緊固定 (圖8&圖9)。

註：請先將AC電源線穿過，再依序穿過其餘線組。



● 步驟4 連接控制線組，完成球型攝影機安裝

依序將電源連接線、RJ-45網路連接線及控制線組連接完成，接著再將支架鎖回支架底座 (圖10)，完成球型攝影機安裝。



注意：完成球型攝影機安裝後，請將支架上的安全螺絲鎖緊，避免掉落 (圖11)。

低溫啟動

在低溫環境中啟動攝影機時，因為內部溫度過低，可能導致攝影機動作異常。

因此，當攝影機由於停電或其它原因，需要在-40°C至-5°C的環境中啟動時，本機需執行低溫啟動程序。

低溫啟動步驟

開啟電源，等待加熱器工作1.5小時後，溫度檢知開關啟動，開啟系統電源，系統開始運作。

安裝前準備

在使用Full HD IP攝影機之前，請先確認攝影機RJ-45網路接頭和電源接頭是否接受，並請網管人員提供一組未經使用的IP位址。出廠預設IP位址為192.168.0.200，使用者可以先行使用該IP位址去更改相關網路設定。

回復出廠預設值

使用硬體來回復出廠預設值，請按照下列步驟：

- 短路「警報輸出/入端子的"RESET"與"GND"連接線」10秒鐘，然後放開線路。
- 攝影機會立即還原出廠預設設定，約90秒後將自動重新開機。
- 使用IPScan軟體搜尋此IP設備。
- 使用網路瀏覽器開啟此IP設備。
- 輸入預設使用者名稱及密碼進行操作。

註1：出廠預設的使用者名稱及密碼為空白，由使用者自行設定輸入。

註2：為方便使用者起見，回復出廠預設值會回復到預設IP位址192.168.0.200。

軟體需求

Full HD 網路攝影機需要軟體解壓縮顯示影像，Full HD 網路攝影機的網頁介面需使用該軟體。當您第一次登錄本產品，Full HD 網路攝影機的網頁介面會自動安裝Universal ActiveX元件，請按下「安裝」鍵安裝該元件。

使用HTML頁面來設定IP位址

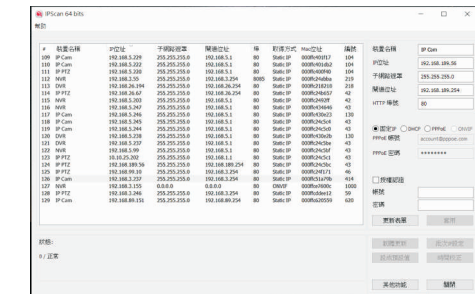
請先在網路瀏覽器網址列，輸入預設IP位址192.168.0.200，並按照下列步驟執行，使用HTML頁面來更改IP位址：

- 設定使用者名稱及密碼，登錄Full HD IP攝影機
- 按「組態設定」超連結
- 按「網路設定」「一般設定」超連結
- 輸入或修改IP位址、子網路遮罩、網路閘道(Gateway)或HTTP連接埠
- 按「確認」鍵，完成上述修改

使用IPScan軟體工具來設定IP位址

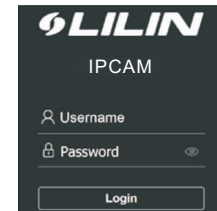
您可以使用IPScan(網路設備搜尋軟體)工具來設定IP位址。要更改IP位址、子網路遮罩、網路閘道，或HTTP連接埠，請參照下列步驟：

- 執行IPScan軟體工具
- 按「更新表單」鍵，區域網路內的所有設備將顯示在設備清單欄位
- 用滑鼠點選該設備
- 編輯或修改該設備之IP位址、子網路遮罩、網路閘道(Gateway)或HTTP連接埠等欄位
- 按「套用」鍵來更改該設定
- 按「更新表單」鍵來驗證該設定



登入

出廠預設的使用者名稱及密碼為空白。欲登入Full HD 網路攝影機，請在登入頁面，設定使用者名稱及密碼並按下確認鍵，可同時完成使用者設定並登入。



密碼強度要求：

- 密碼長度需要8個字以上。
- 密碼必須包含英文字大寫、小寫、數字及特殊符號。
- 密碼必須強制使用至少3種文字型態