LILIN

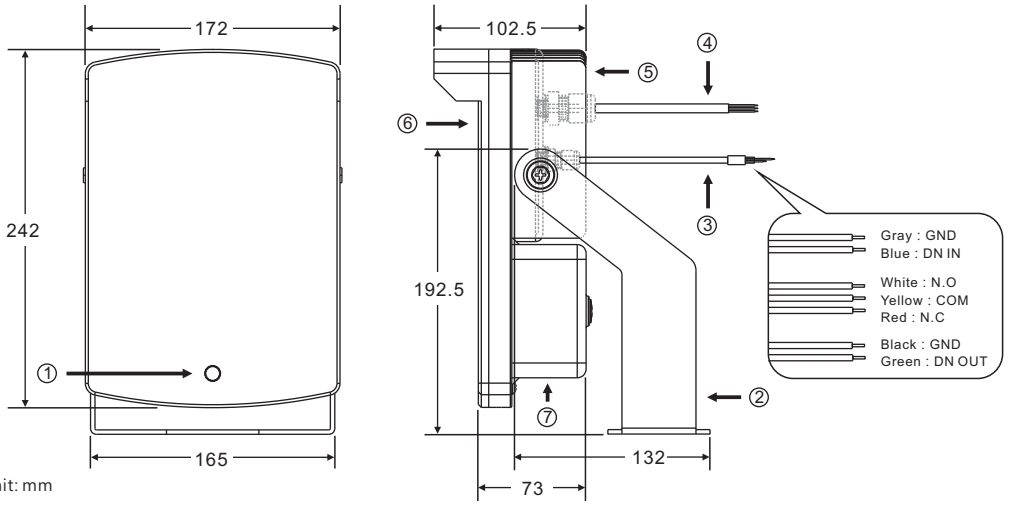
INFRARED ILLUMINATOR

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.

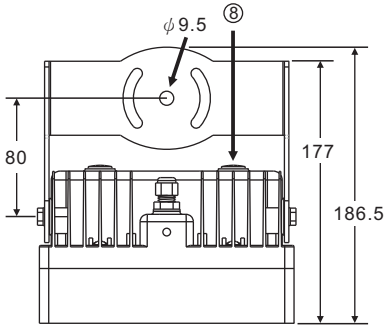
Installation Guide

66-1520CSB-2

Part Description & Dimensions



Unit: mm



① Light Sensor
② Bracket
③ Day and night input/output signal control cable and device status interface.
④ Power Cable
⑤ Bottom Chassis
⑥ Front Fascia
⑦ Rear Cover
⑧ Sealing Cap (Light Sensor Sensitivity Adjust)

Installation

1. Attach the illuminator bracket to the pan and tilt unit, ceiling mount (FIG.1) or wall mount (FIG.2).

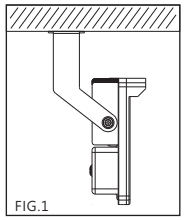


FIG.1

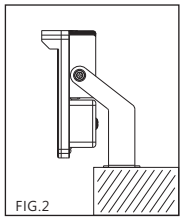


FIG.2

2. Connect the power cable to AC100~240V (FIG.3).
Note: If used power cable is like two wire combine, please put them separately on "Live" and "Neutral".

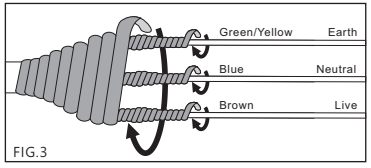


FIG.3

3-1. If want to adopt ICR (IR Cut Filter Removable) of Day&Night camera to reach synchronization action with illuminator, please connect the Day/Night output cable to input of the camera. The Green wire connect to "+", and Black wire connect to "—"(GND). IR illuminator will be triggered "Off" with 5V output voltage and IR illuminator will be triggered "On" with 0V output voltage.

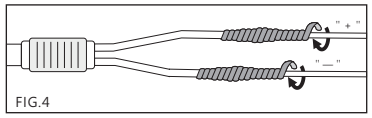


FIG.4

Note: For the security, if not used Day/Night input/output, please use the adhesive tape to wrap the connections.

3-2. If you want to externally control the device infrared synchronization, please connect the external signal source to the device '+' terminal blue wire and the '-' terminal to the gray wire (GND)."

Corresponding hardware switch setting
Remove the back cover by unscrewing the four screws (FIG.5) and switch the day/night, high and low position according to external control, adjust the settings as follows (FIG.6&7):

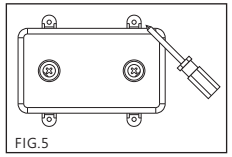


FIG.5

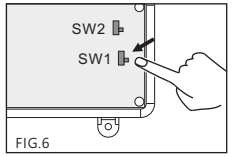


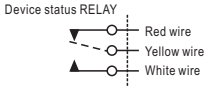
FIG.6

SW1	
IN / OUT — Day/Night Output Synchronization Mode (Factory Default)	
SW1	**SW2**
IN / OUT — External input control mode	LOW / HI — External Control HI Activates IR ON : HI (+3V~+5V) IR OFF : LOW (0V)
	LOW / HI — External Control LOW Activates IR ON : LOW (0V) IR OFF : HI (+3V~+5V)

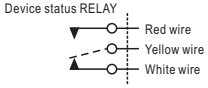
FIG.7

3-3. Device Status Relay Operation Mode:

- When the device is operating normally, the status of the Relay output interface.



- When the device is powered off or not in operation, the status of the Relay output interface.



4. Adjust the horizontal alignment by loosening the bracket bolts to match the camera field of view (FIG.8&9).

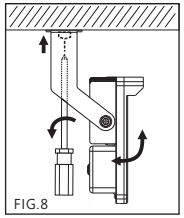


FIG.8

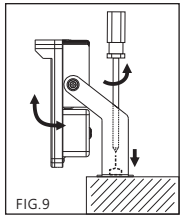


FIG.9

5. Adjust the vertical alignment by loosening the side bolts (one on each side of the main body) to maximize the results (FIG.10&11).

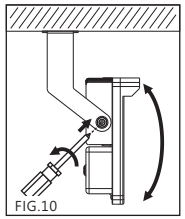


FIG.10

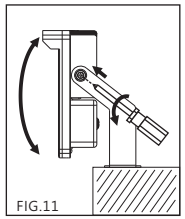


FIG.11

6. To adjust light sensor sensitivity, first remove the sealing cap. Then adjust the potentiometer to turn the IR illuminator on when the lighting conditions are lighter or darker. Adjust further clockwise to make the IR illuminator turn on when it's lighter and counterclockwise when it's darker.

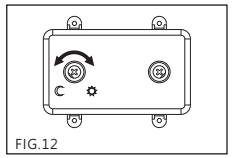


FIG.12

Note1: To disable the light sensor adjust the sensitivity fully clockwise. This should make the IR illuminator turn on all the time.
Note2: Once all adjustments have been carried out, make sure that the sealing caps are properly closed so as to ensure the hermetic seal of the product.

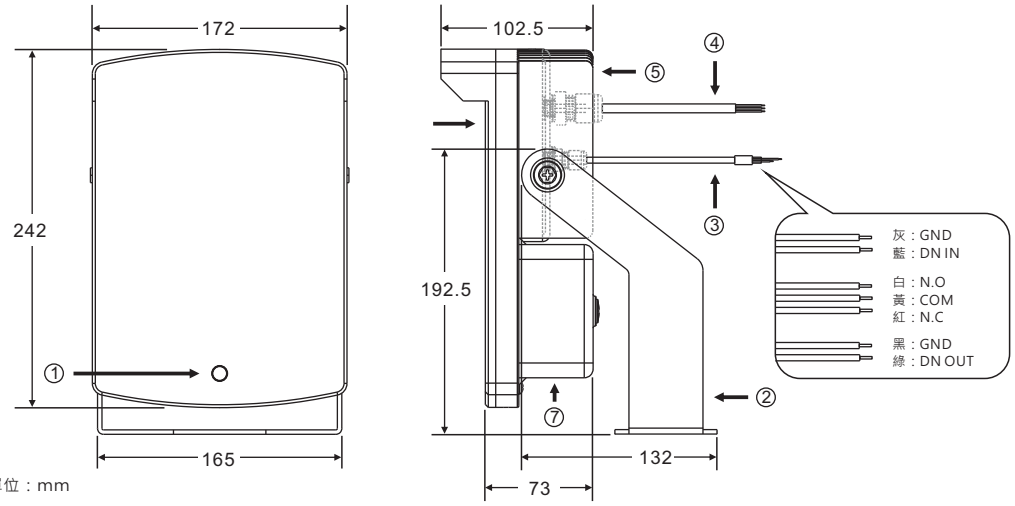
LILIN

紅外線夜視器

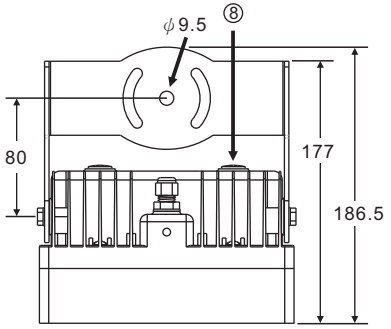
警語: 此圖示，指在廢棄產品時不可直接丟棄垃圾桶，應進行拆解，並分類進行回收再利用。

安裝說明

部件說明及尺寸



單位：mm



① 感應器
② 腳架
③ 日夜輸入/出訊號控制電纜線及設備狀態接口
④ 電源線
⑤ 底座
⑥ 前面板
⑦ 後蓋
⑧ 防水密封蓋（紅外線開啟照度調整）

安 裝

1. 所附腳架可作水平及垂直調整，吸頂及壁掛安裝（圖1&2）。

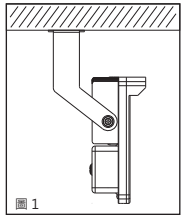


圖 1

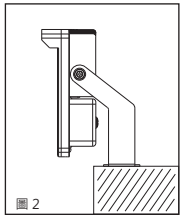


圖 2

2. 電源線連接到 AC100~240V 電源（圖3）。
註：如使用的電源線為兩線式，接線時請接在"火線"及"中性線"。

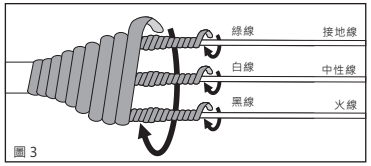


圖 3

3-1. 如想要日夜兩用攝影機的 ICR（IR Cut Filter Removable）能的與本機的紅外線同步動作，請將日/夜輸出電纜線接到攝影機的輸入端。綠線接到 " + " 端，黑線接到 " - " 端（接地端）；紅外線關閉時，輸出電壓為直流 5V，而開啟時，則為直流 0V。

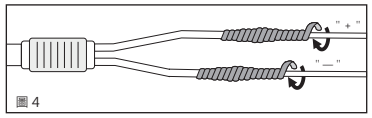


圖 4

註：為了安全起見，如不使用日夜輸入、輸出電纜線，請用膠帶將連接點線頭包住。

3-2. 如想要外部訊號控制本機紅外線同步動作，請將外部訊號源與本機 " + " 端藍色線連接，" - " 端接到灰色線（接地端）。

對應硬體開關動作設定

拆開後蓋 4 顆螺絲（圖5），依據外部控制切換日/夜高低位準，調整設定如下（圖6&7）：

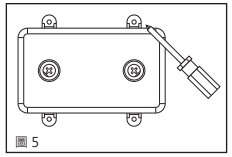


圖 5

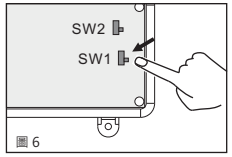


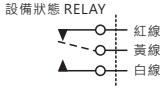
圖 6

SW1	
IN / OUT 日/夜輸出同步模式（出廠預設）	
SW1	**SW2**
IN / OUT 外部輸入控制模式	LOW / HI 外部控制 HI 作動 IR ON : HI (+3V~+5V) IR OFF : LOW (0V)
	LOW / HI 外部控制 LOW 作動 IR ON : LOW (0V) IR OFF : HI (+3V~+5V)

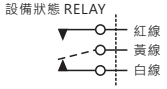
圖 7

3-3. 設備狀態Relay作動形式：

- 當設備正常運作時，Relay輸出接口的狀態。



- 當設備斷電或無運作時，Relay輸出接口的狀態。



4. 轉鬆腳架螺絲，調整紅外線投射器的水平方向到所需的攝影角度（圖8&9）。

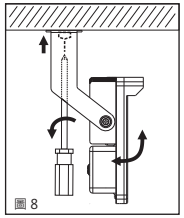


圖 8

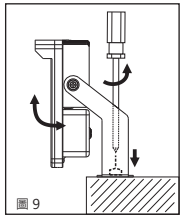


圖 9

5. 轉鬆紅外線投射器兩側的螺絲，調整其垂直方向到所需的攝影角度（圖10&11）。

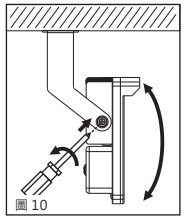


圖 10

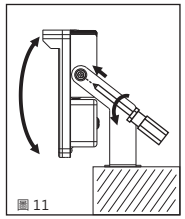


圖 11

6. 首先拿掉防水密封蓋，然後調整可變電阻到所需的紅外線開啟照度值。往順時針方向轉動，紅外線開啟照度會較亮；往反時針方向轉動，紅外線開啟照度則較暗（圖12）。

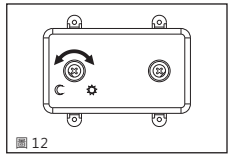


圖 12

註 1：把可變電阻往順時針方向轉到底，此時感應器將失效，紅外線會永遠開啟不會熄滅。

註 2：當完成上述兩項的調整後，為了要確保產品的防水性能，需把兩個防水密封蓋確實的轉緊。