Action Camcorder

Savior of Security guard
Nemesis of Crime

| Distance 30M | 1080P Record | WDR | Waterproof | Alarm Buzzer | Tag Reader |

Feature

- Changeable high capacity lithium polymer battery

- Brightness adjustment, support switchable far/near LED light 30M

- Invisible IR LED 30M, record without disturbance

- High quality recording up to 1080P

- Support local playback without extra displayer

- WDR function recording

- Alarm buzzer sounds as emergency notification

- IP66 weatherproof

- RFID records the patrol route (optional)

Languages included in this guidebook are:

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
. Reorient or relocate the receiving antenna.
. Increase the separation between the equipment and receiver.
. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
. Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

PRECAUTIONS

◆ Thanks for purchasing our product. Please read instructions before using.

◆ When put battery's cover on, please make sure it's direction right.

◆ Do not attempt to service this unit yourself unless you are authorized to do so. Opening cover may exposure you to dangerous voltage or other hazards. Refer all servicing to qualified personnel only.

◆ Do not use sharp objects to touch the screen.

Accessory

Battery*2

Power Charge*1

Micro USB*1

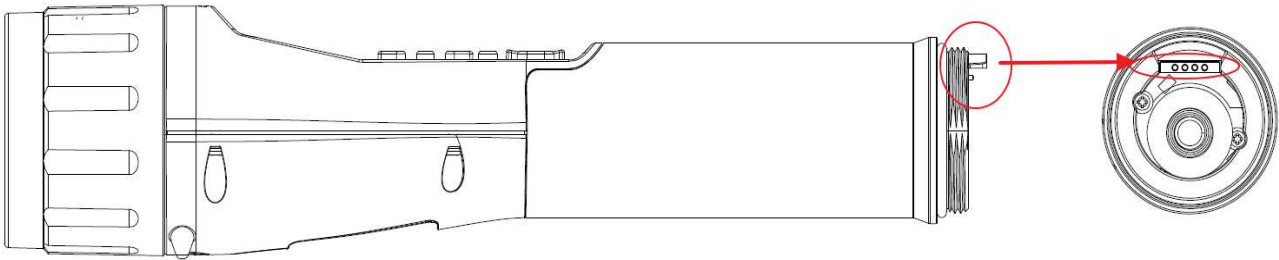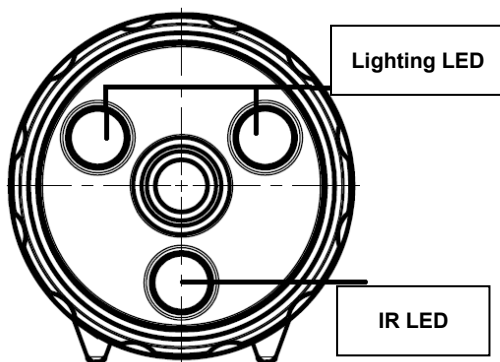3.5mm AV out *1

Handle string *1

Carry bag*1

* Power Charge Spec: DC 5V / 2000mA

Assembly

◆ When put battery's cover on after installing batter, please make sure the direction is right as below illustration.
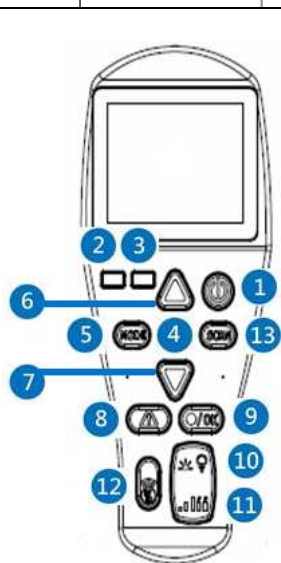

Flash light mode :

Lighting LED

IR LED

1. Press 1st, open lighting LED mode
2. Press 2nd, open IR LED mode
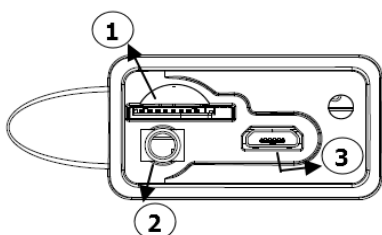3. Press 3rd, close all LED
4. (back to 1st)

In lighting LED mode, press bottom button will change 5 different light modes
1. Press 1st, weak light
2. Press 2nd, regular light
3. Press 3rd, highlight
4. Press 4th, quick flash
5. Press 5th, Slow flash
6. (back to 1st)

	Icon		illustration
1		Power	ON/OFF * Press the button 3 sec. to shut down
2	Green	Power Indicator	1. Green light : System is functional 2. Green light flashing: In IR LED mode
3	Red	Record Indicator	Green light : Record is functional
4	Mode	mode	Record, Photo and play mode
5	Menu	Menu	Enter/ Exit
6	△	upward	1. Select items or adjust values 2. In photo mode, this button will be digital zoom in
7	▽	downward	1. Select items or adjust values 2. In photo mode, this button will be digital zoom out
8	△	Urgent mode	Enforce LED flashing and buzzing (Press again to shut up)
9	●/OK	Record / OK	In record mode, click this button to start recording * Press 3 sec to stop recording In photo mode, Click this button to take a picture. In menu, this button is OK
10/11		Switch	Upward/Downward button is for adjusting flash light mode (Please refer to last page)
12	RFID	RFID (option)	Punch Card * Press the button to scan 1. Press once, it has 30 Seconds to let user do scanning. 2. press one more time if fail to scan over 30 seconds
13	SCRN	Power safe mode	Press the button to shut off/ wake up backlight

I/O function

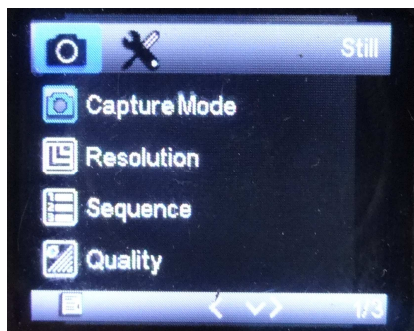|	I/O	illustration
1	SD CARD	Support up to 32G micro SD card * Only support class
2	AV OUT	Output video and audio to TV
3	USB	For transmission and charge up * Charge by USB needs about 12hr to full

Function

1. Record mode

In record mode, user can adjust record resolution, looping reccording, time lapse, HDR, exposure 、 record audio and Data stamp

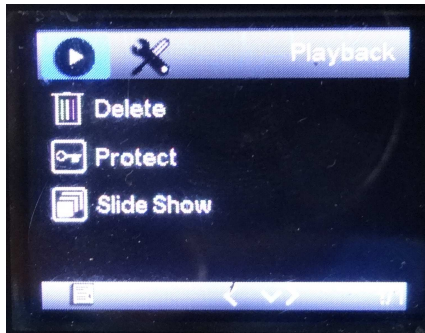| Function	Remark	
Resolution	Offer 4 options:	
	1080FHD	1920x1080
	720P	1280x720
	WVGA	848x480
	VGA	640x480
Looping reccord	OFF 、 3 min 、 5 min and 10 min	
Time-lapse record	OFF 、 100ms 、 200ms and 500ms	
HDR	OFF/ON	
Exposure	+0.0, -1/3, -2/3, -1.0, -4/3, -5/3, -2.0, +2.0, +5/3, +4/3, +1.0, +2/3, +1/3	
record audio	OFF/ON	
Data stamp	OFF/ON	

2. Photo mode

In photo mode, user can adjust capture, resolution, sequence, quality, sharpness, white balance, color, ISO, exposure, anti-shaking, quick review and data stamp
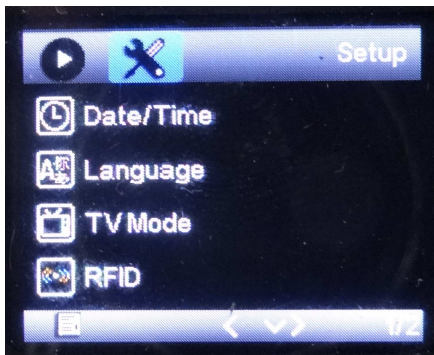
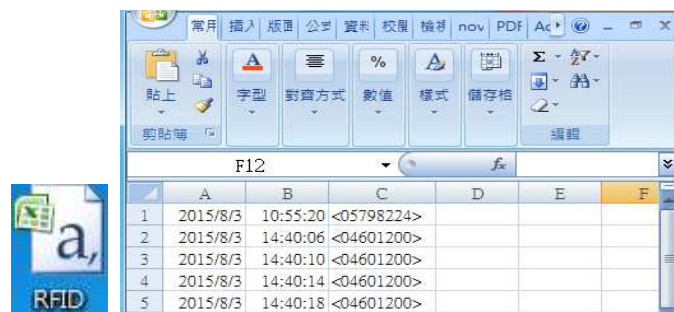| Function	Remark	
Capture	OFF、2S timer, 5S timer, 10s timer	
Resolution	12M	4032x3024
	10M	3648x2736
	8M	3264x2448
	5M	2592x1944
	3M	2048x1536
	2MHD	1920x1080
	VGA	640x480
	1.3M	1280x960
Sequence	OFF/ON	
Quality	Fine, Normal, Economy	
Sharpness	Strong, Normal, Soft	
White Balance	Auto, Daylight, Cloudy, Tungsten, Fluorescent	
Color	Color, Black & White, Sepia	
ISO	Auto、100、200、400	
Exposure	+0.0, -1/3, -2/3, -1.0, -4/3, -5/3, -2.0, +2.0, +5/3, +4/3, +1.0, +2/3, +1/3	
Anti-Shaking	OFF/ON	
Quick Review	OFF, 2 Seconds, 5 Seconds	
Date Stamp	OFF, Date, Date/Time	

3. Play mode

In play mode, user can select delete, protect or playback files by slide show

4. Setup mode

In Setup, user can adjust date/time, language, TV mode, RFID mode, frequency, format, default setting and check version
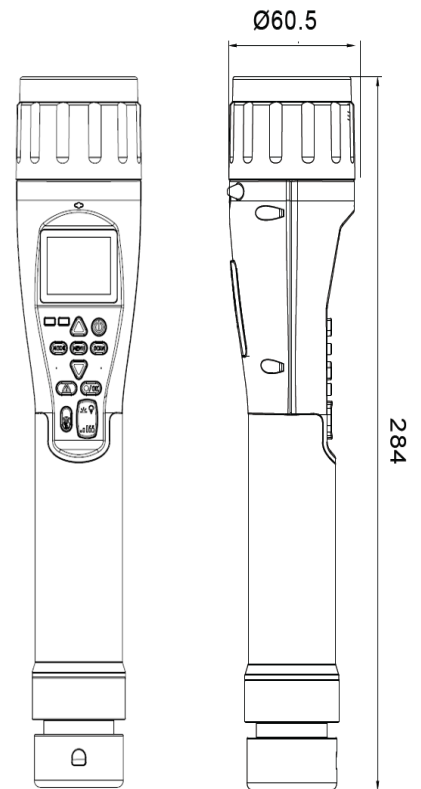
*RFID records will be saved on Excel in SD card

Function	Remark
Date/Time	YY/MM/DD、MM/DD/YY、DD/MM/YY
Language	Deutsch、Italiano、Simple Chinese、Traditional Chinese、Pyccknn、Japan、English、Francais、 Espanol、Portugues、
TV Out	NTSC/ PAL
RFID	8 Digit、10 Digit
Frequency	50Hz、60Hz
Format	Format SD Card * SD Card must be formatted when it's used at the first time
Default	Return to factory setting
Version	Machine software version information

Specification

Image Sensor	3MP CMOS
Effective pixels	2034 X 1296 Pixels
Lens Type	6mm
Compression methods	H.264
Archive format	MOV
Video format	1920 X 1080 30FPS
Photo format	JPEG
Photo size	2034 X 1296
Microphone	Build in
Illuminance	0 LUX
Lighting	CREE 3W LED X 2
IR	OSRAM IR LED X 1
Brightness	3 section switch
AV OUT	φ=3.5mm Phone jack
USB	Micro USB
Panel size	1.5″ LCD, Resolution：320*240 pixels
SD card	MICRO SD max 32GB
Alarm	Buzzer
RFID reader	125kHz (Optional)
battery	3.7V 5000Ah Lithium
Size	284mm X 60.5mm
Usage	2~5hr
Weight	630g (Include battery)

Size

Ø60.5

284

Unit：mm

※ **Compatible SD card after testing as below:**

Brand	Capacity	Spec.	Brand	Capacity	Spec.
Kingston	8G	CLASS 10	RiDATA(Y32GD38)	32G	CLASS 10
Transcend(9161BA)	8G	CLASS 10	Kingston(SDC10)	32G	CLASS 10
Transcend(9155A4)	16G	CLASS 10	Transcend(9173BA))	32G	CLASS 10
ADATA(G16G)	16G	CLASS 10	SanDisk(Ultra)	32G	CLASS 10
Apacer(E516G)	16G	CLASS 10	SONY(SR-32UY)	32G	CLASS 10

產品特點

- ■ 1080P H.264 高畫質錄影
- ■ 使用高容量鋰充電電池(標準 26650 型式)，並可自行更換
- ■ 可調亮度遠近的強力白光 LED 燈
- ■ 具備夜視不可見紅外線光，可在不驚擾拍攝物下錄影。有效距離 30M
- ■ 本機影像回放
- ■ WDR 寬動態錄影
- ■ IP66 防水規格
- ■警示蜂鳴器
- ■ RFID 接收模組 (選配品)

使用須知

◆前言

　感謝您購買本公司手持行動記錄器.

　在正式使用之前，請仔細閱讀該手冊，以確保正確使用該產品。妥善保存該手冊，以備將來不時之需。

◆侵犯版權警告

　請注意本產品僅供個人使用，其使用方法不得觸犯或侵害國際或國內的版權法規。即使所錄製的影像僅供個人使用，請注意在某些狀況下運用本產品錄製表演、展覽或商業活動的影像可能侵犯別人的版權或其他法律權益。

◆注意事項

- 請勿在設備上堆放物品，勿壓按螢幕，否則可能導致螢幕破損。
- 請勿使用尖銳物體接觸螢幕，以免損壞螢幕。

◆使用環境

- 該產品可使用在如物流及軍警保全巡邏、手持攝影等用途亦可當作手電筒照明設備使用。

配件

電池*2

USB電源充電器*1

3.5mm AV輸出線*1

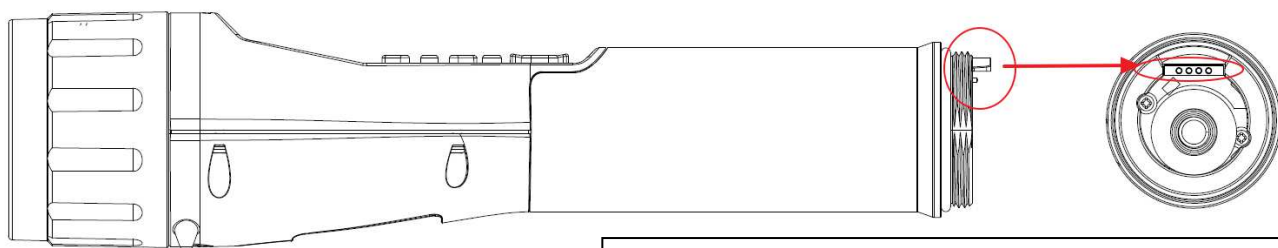Micro USB線*1
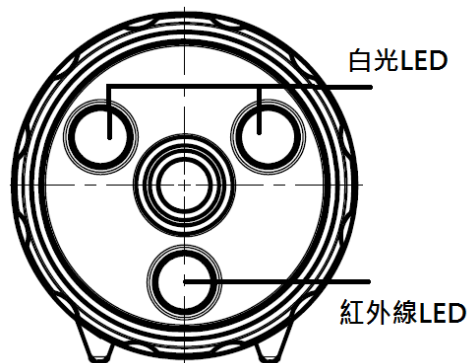
手挽帶*1

腰掛帶*1

* 電源充電器規格為 DC 5V / 2000mA

安裝說明

安裝電池完畢後,鎖附電池蓋須注意接點是否有對準機器上的接點。

如下圖圈記處:

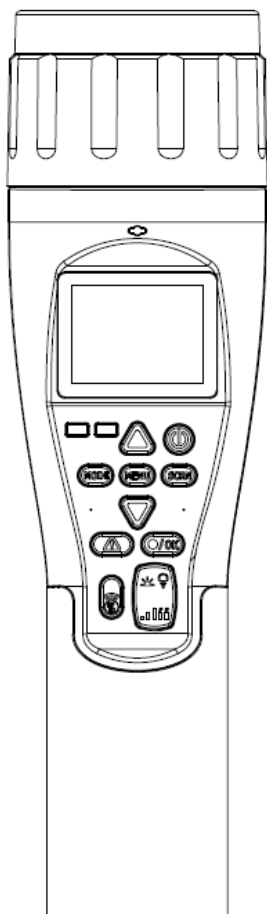**手電筒啟用模式狀態說明:**

白光LED

紅外線LED

5. 按壓第一次,開啟白光 LED 照射模式
6. 按壓第二次,開啟紅外線 LED 模式
7. 按壓第三次,關閉所有 LED 燈
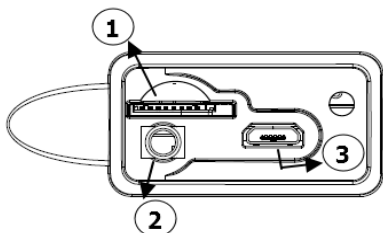8. 按壓第四次,開啟白光 LED 照射模式 (循環進行)

白光模式下,按壓按鍵切換強弱模式
7. 第一次按壓, LED 光源為弱
8. 第二次按壓, LED 光源為中
9. 第三次按壓, LED 光源為強
10. 第四次按壓, LED 光源為快閃爍
11. 第五次按壓, LED 光源為慢閃爍
12. 第六次按壓, LED 光源為弱 (回到模式 1,循環進行)

前按鍵功能說明

位置	圖示		說明
1	(電源鍵圖示)	電源鍵	開啟或關閉電源 ＊壓住按鍵 3 秒關閉電源
2	綠燈	電源指示燈	綠燈恆亮表機器正常運作中 綠燈閃爍表 IR 燈開啟中
3	紅燈	錄影指示燈	紅燈恆亮表機器處於錄影狀態下
4	Mode	拍攝模式	模式切換：可選擇錄影、拍照或播放
5	Menu	主選單	進入主選單；離開目前選單
6	(向上圖示)	向上	選擇選單項目或調整數值 拍照模式下為數位放大之拉近功能
7	(向下圖示)	向下	選擇選單項目或調整數值 拍照模式下為數位放大之拉遠功能
8	(緊急模式圖示)	緊急模式開啟	LED 閃爍及蜂鳴器鳴叫 (再按一次就會關閉功能)
9	●/OK	錄影或拍照鍵	錄影模式下點擊即啟動錄影 ＊壓住按鍵 3 秒結束錄影 拍照模式下為快門鍵 選單設定時為 OK 鍵
10/11	(滑動開關圖示)	滑動開關	**上推**為調整照明模式(細部動作如上頁說明) **下推**為亮度調整(細部動作如上頁說明)
12	(RFID圖示)	RFID (選配)	巡邏點打卡功能 ＊按壓一次啟動 30 秒偵測, 1.30 秒內掃瞄到資料,則立即結束掃描.再壓一次重啟掃描. 2.30 秒內未掃描到資料,自動結束掃描..再壓一次重啟掃描.
13	SCRN	螢幕開啟/關閉	按壓第一次關閉螢幕,再按一次開啟螢幕(循環)

後 I/O 功能說明

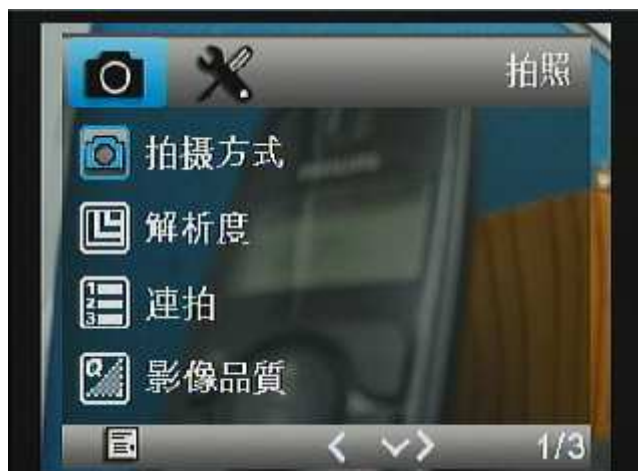| 編號	圖示	說明
1	SD CARD	最高支援到 32G 的 MICRO SD card ＊僅支援使用 **class 10** 規格的記憶卡
2	AV OUT	透過 AV 線可直接將影像傳輸到電視畫面 *播放檔案時包含聲音撥放
3	USB	用於 PC 檔案存取或 USB 充電用 ＊使用 PC USB 充電需時約需 12hr 充滿電池。

各項功能說明

1. 錄影模式

在此模式下可調整錄影影像的解析度、是否循環錄影及循環錄影的時間選擇、間隔錄影、HDR、曝光、錄影聲音及日期記錄。

功能	設定值	
解析度	有 4 種錄影解析度可選擇:	
	1080FHD	1920x1080
	720P	1280x720
	WVGA	848x480
	VGA	640x480
循環錄影	關、3 分鐘、5 分鐘及 10 分鐘,四種條件可選擇	
間隔錄影	關、100ms、200ms 及 500ms,四種條件可選擇	
HDR	關或開	
曝光	+0.0, -1/3, -2/3, -1.0, -4/3, -5/3, -2.0, +2.0, +5/3, +4/3, +1.0, +2/3, +1/3	
錄影聲音	選擇錄影聲音關或開	
日期記錄	選擇日期記錄關或開	

2. 拍照模式

在此模式下可調整拍照的拍攝方式、解析度、連拍、影像品質、銳利度、白平衡、色彩效果、ISO值、曝光值、防手震開啟或關閉的選擇、快速檢視及日期記錄。

功能	設定值	
拍攝方式	關、2 秒自拍、5 秒自拍及 10 秒自拍可選擇	
解析度	有 8 種拍照解析度可選擇:	
	12M	4032x3024
	10M	3648x2736
	8M	3264x2448
	5M	2592x1944
	3M	2048x1536
	2MHD	1920x1080
	VGA	640x480
	1.3M	1280x960
連拍	關或開	
影像品質	較佳、一般、經濟	
銳利度	強烈、一般、柔和	

3. 播放模式

在此模式下可刪除、保護或將影片作成幻燈片模式播放。
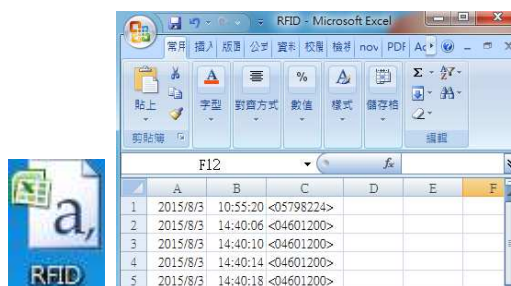
功能	設定值
刪除	目前檔案或全部檔案
保護	保護目前檔案、解除保護目前檔案、保護所有檔案、解除保護所有檔案
幻燈片	2 秒、5 秒、8 秒

4 參數設定

在此模式下可調整影像顯示的日期/時間、語系選擇、電視輸出模式選擇、RFID 模式選擇、頻率、記憶卡格式化作業、恢復預設值及設備的版本資訊。

* RFID 打卡紀錄會儲存於 SD 卡內的 Excel 檔案中。
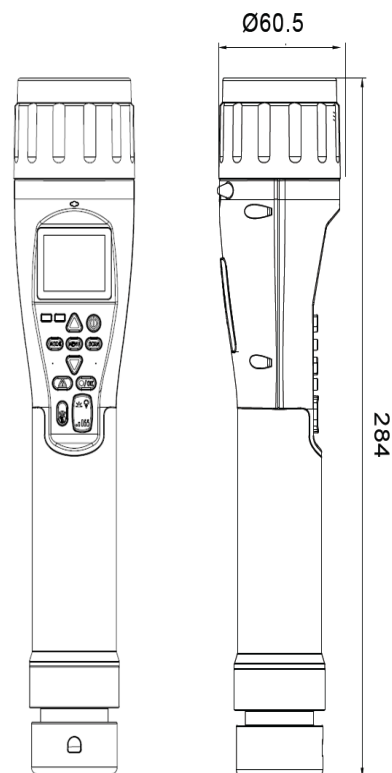

功能	設定值
日期/時間	有三種模式可切換 YY/MM/DD、MM/DD/YY、DD/MM/YY
語系	10 種語言可選擇：Deutsch、Italiano、簡體中文、繁體中文、Pyccknn、日本語、English、Francais、Espanol、Portugues、
電視輸出	NTSC 或 PAL
RFID	8 Digit、10 Digit (依各家使用的 RFID Take 切換)
頻率	50Hz、60Hz
格式化	記憶卡格式化作業 ＊第一次使用該記憶卡時，請務必將記憶卡做格式化作業
預設值	恢復出廠預設值
版本	機器軟體版本資訊

產品規格

圖像感應器	3MP CMOS
CCD 有效圖元	2034 X 1296 Pixels
鏡頭/介面類別型	6mm
視訊壓縮方式	H.264
視頻格式	MOV
視頻檔案格式	1920 X 1080 30FPS
照片格式	JPEG
照片尺寸	2034 X 1296
麥克風	內置麥克風
照度	0 LUX(白光燈常開)
白光照明	CREE 3W LED X 2
IR 照明	OSRAM IR LED X 1
亮度調整	三段可切換
AV OUT 介面	φ=3.5mm Phone jack
USB 介面	Micro USB
液晶顯示幕	1.5 英寸，解析度：320*240
儲存卡	MICRO SD max 32GB
警報裝置	內建蜂鳴器
RFID reader	選配 (125KHz)
電池	3.7V 5000Ah 充電鋰電池
尺寸	283mm X 60.5mm
使用時間	2~5hr (依不同使用條件時間會有所不同)
整套重量	630g(含電池)

尺寸

Ø60.5

284

單位：mm

※ **僅支援用 micro SD.卡，如下表為建議的記憶卡規格及品牌。**

品牌	容量	讀取速度	品牌	容量	讀取速度
Kingston	8G	CLASS 10	RiDATA(Y32GD38)	32G	CLASS 10
Transcend(9161BA)	8G	CLASS 10	Kingston(SDC10)	32G	CLASS 10
Transcend(9155A4)	16G	CLASS 10	Transcend(9173BA))	32G	CLASS 10
ADATA(G16G)	16G	CLASS 10	SanDisk(Ultra)	32G	CLASS 10
Apacer(E516G)	16G	CLASS 10	SONY(SR-32UY)	32G	CLASS 10

85-DV3200-A603G-A