信安智能保安技術有限公司
C&S SMARTSAFE LIMITED









智能監控
系統介紹

Introduction Intelligent Surveillance System







信安智能保安技術有限公司 C&S Smartsafe Limited

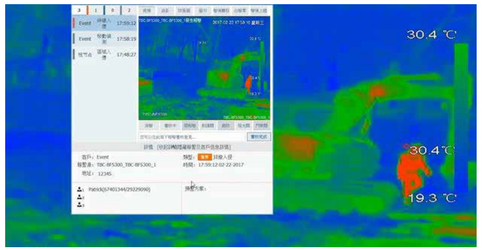
信安智能保安技術有限公司自2014年於香港成立，並獲得獲得保安及護衛業委員會 (SGSIA) 認可保安公司牌照，提供第壹類服務(保安護衛服務) 與第三類服務 (安裝、保養及維修保安裝置並為個別處所或地方設計附有保安裝置的系統)。

C&S Smartsafe Limited was established in Hong Kong in 2014 and at the same time we have been licensed to hold and provide type I. (Provision of security guarding services) and type III. (Installation, maintenance and / or repairing of a security device and / or designing for any particular premises or place a security system incorporating a security device) services.

Our service is also recognized by the Hong Kong Security and Guarding Services industry Authority (SGSIA).









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02 24小時監控中心 24 Hours Monitoring Center

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1.1 傳統系統 Traditional System

傳統程序操作流程繁雜，而且人力資源消耗量大。
Traditional guarding service procedures are complicated and consume a lot of manpower resources.



1 保安員 Static Guards

派保安員到現場監視。
Assigned security guard stationed on site.



2 發現 Detection

現場保安員或控制室當值人員發現入侵者。
Intruder was found.



3 警報 Alarm

手動向控制室發出警報，令控制室警報燈閃亮。
Turn on Siren Manually.



4 通報 Notification

控制室當值員通知相關經理。
Relevant manager will be informed.



5 反應 Reaction

相關經理到場視察。
Relevant manager will be dispatched for inspection.

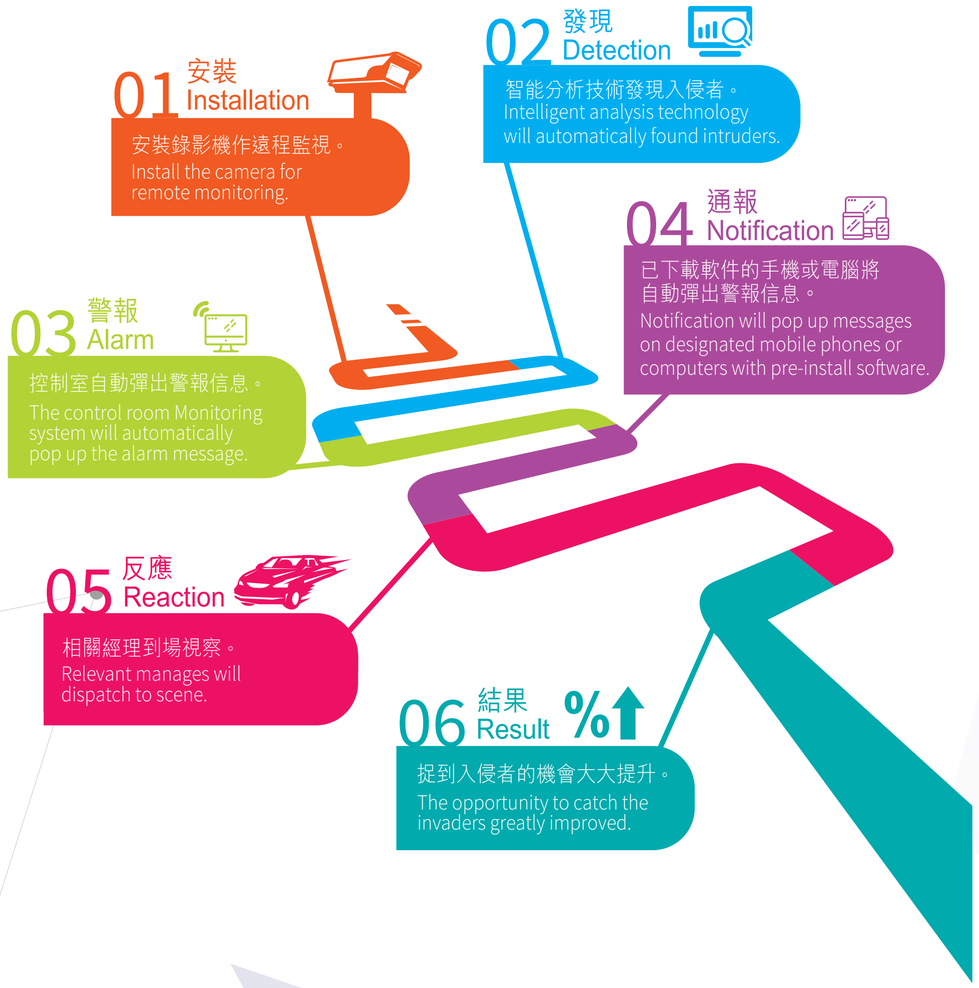


6 結果 Result

可能入侵者已逃去無蹤。
The intruder may have fled.

1.2 智能系統 Intelligent Surveillance System

快速反應永遠是減少損失的關鍵。
Rapid response is always the key to reducing losses.



24小時監控中心
24 hours control center



信安保安有限公司
C & S SECURITY LIMITED

2.1 簡介 Introduction
2.2 區域畫線 Area Drawings
2.3 發出警報 Alarm Signal
2.4 我們的車隊 Our Fleet Team







2.1 簡介 Introduction

本公司設24小時365天不間斷即時影像警報監控中心。中心設有大型電視牆，同時監察3000個不同地區崗位的即時影像。當檢測到有罪案發生時，監控中心即時發出信號。控制中心當值人員收到警報後即時觀看案發地點的視像，智能分析影像後會即時通知護主或駐場保安人員跟進，在有需要時會即報警求助,務求令所有突發事件都能有效地處理。

Our company has a 24 hours uninterrupted real time monitoring control center which consist of a huge TV Wall. It provides monitoring up to 3,000 different areas. If intrusion was found, an alarm signal will be sent out to alert our center room officer. At the time, our center room officer will look through the surveillance video and inform the client or our security guards to follow. Police will be notify, where necessary.

24 小時監控中心 | 24 hours control center



2.2 區域畫線 Area Drawings

只要於軟件內設置佈防區域範圍，攝像機即可啟動自動檢測功能。繪製規則設置可按不同場地特性添加任何不規則線區。智能畫線的好處是不受現場環境影響，傳統使用的紅外線區域佈防有場地規限，容易被他人破壞。反之，智能畫線完全無懼人為及天氣因素，於任何場合都能發揮其獨特的功用。

Any armed area as long as the perimeter is set in the programme, auto detection will be activated. We will set different perimeter tailor made to fit your needs. It is hard to be tempered as it will not be affected by environmental and weather factors.



監控軟件 | Monitoring software

2.3 發出警報 Alarm Signal

當檢測到有異常情況發生時，二十四小時視像警報監控中心即時扮演其重要的角色。中心收到信號後，電視牆及監控人員的個人電腦會同時顯示警報訊息，警號燈會閃爍且警號會長鳴直至當值人員關閉。當值人員收到警報後會即時通知案發現場的保安人員跟進，務求令所有突發事件都能有效地處理。

When I regularities detected. Signal will be automatically sent to our 24 hours control room. Waring buzzer will be activated and alarm messages will pop up on the TV wall to alert our control room officer. On site security personnel will be dispatched to the alert area to follow up.



警示燈附蜂鳴器 | Warning Light With Buzzer



中心監控情況 | Monitoring Situation In Control Center Situation



2.4 我們的車隊 Our Fleet Team

本公司擁有一隊專業保安巡邏車隊誠意為閣下服務。我們的車隊會專注負責以下四項服務；第一，日夜更場地進行日常抽樣質素檢查；第二，為警鐘訊號鳴響提供緊急支援服務；第 三，為各崗位保安員提供緊急支援服務與及第四，運送人手及設備到達工作場地或活動會場。

近年公司在原有的保安巡邏車隊中增加了科技監控設備，為每部巡邏車配置了衛星定位系統及實時對講系統。專業的移動偵測設備，令接收及發送訊息更快捷，並使控制室能清楚明瞭巡邏車的位置，對事故處理的部局更為敏銳及有效。加上我們的巡邏人員均受過嚴謹的訓練，配以專業的安防器材，定必做到執勤迅速，處事專業。

一旦事故發生，控制室值班人員可利用衛星定位系統指派最近的巡邏車趕抵現場處理事故，並以實時對講系統明述事發經過。來達致減省溝通時間與及增加巡邏車快速精準抵達現場的效率。

Our fully equipped fleet and highly trained security patrol officers provide professional services to help you save money, and to safe guard your property and assets. Our team will focus on the following four services: First of all, sampling inspection and quality control; secondly, providing emergency support services for alarm signal; thirdly, provide support services for each static security guards. Last but not least, transport manpower and equipment to posts or event.

Our fleet were equipped with GPS technology (Global Positioning System) for satellite location and a real time face to face intercom system. These gadgets can ensure faster and accurate data received. In addition, our patrol officers received rigorous training and coupled with our professional security equipment, will certainly improve performance and getting more professional.

Our duty control officer can see the satellite positioning system to assign the nearest patrol car to handle accident in case of emergency.

智能監控功能介紹
Smart Monitoring System Introduction

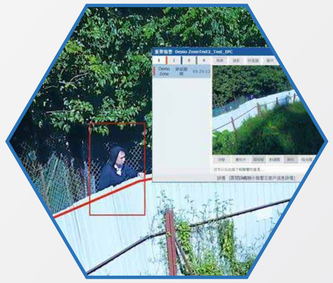


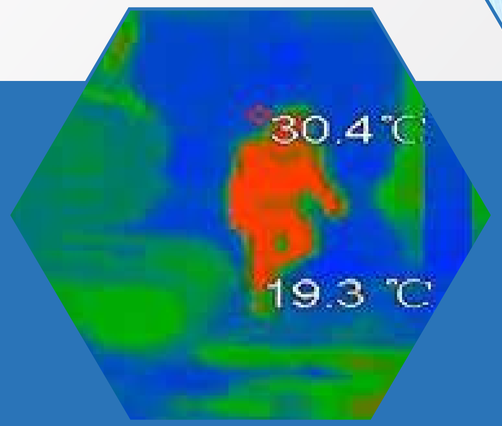
3.1 簡介 Introduction
3.2 區域入侵 Area Invasion
3.3 穿越圍牆 Through The Fence
3.4 徘徊檢測 Loitering Detection
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3.9 物品遺留 Items Left Detection
3.10 A 車牌識別 Car Plate Recognition
3.10 B 高識別率 High Recognition Rate

3.1 簡介 Introduction

智能監控是一個視頻圖像的數學分析計算及對其分析後所產生數據結果的應用。系統的智能行為監控分析能夠對畫面中的人、物或車輛的行為進行識別及判斷，並在適當的條件下產生警報。智能系統提高了人力資源的利用和更少的訊號誤報，為各客戶提高發現威脅及安全事件先兆的識別率。

Intelligent monitoring is result of a combination of mathematical video images analysis and application data analysis. The system can identify and made judgement on the behavior of the individual, products or vehicle; Alert signal can be sent out, where necessary. This system can minimize the possibility of false alarm.







3.2 區域入侵 Area Invasion

區域入侵可分為區域入侵偵測及區域內檢測。
區域入侵偵測是進入或離開區域檢測，系統將自動檢測人或者車輛，進入或離開指定警戒區域的行為。而區域內檢測則是先為警戒區域內訂立數目限制，只要目標（人，車，物）個數超過範圍時將會發出警報，並且顯示當前區域內的目標個數。

Area intrusion function can designed into different target areas. Our system will automatically detect any irregular activities. We only have to design target areas so that if irregularities are detected. Alarms and pop up scene will be activated.



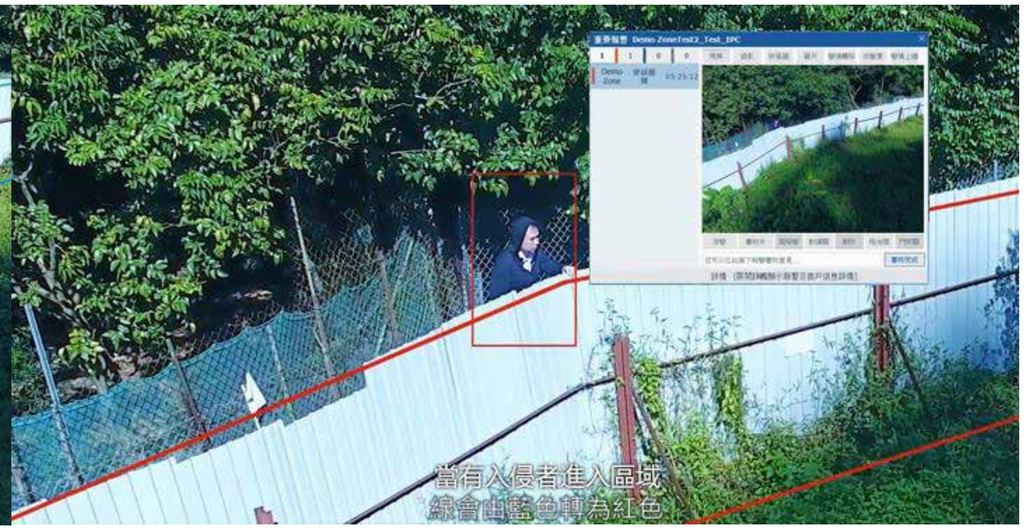


3.3 穿越圍牆 Through The Fence

穿越圍牆功能可自動檢測從外向內或從內向外翻越圍欄警戒線的行為。不論在入侵者到達牆壁之前、穿越圍牆的經過及到達對面的全部行為都紀錄在案，這是一種預防及跟踪入侵者的措施。

This systems will activated when objects try to climb over the fence. Tracking function will start following the subject and record accordingly.





3.4 徘徊檢測 Loitering Detection

檢測人員在目標警戒區域內徘徊（在警戒區域中停留時間超過設定時間，並且存在運動）或者滯留（在警戒區域中停留時間超過設定時間，並且無運動)。

This function will activate when subject is detecting loitering within targeting area. This function can detect whether the subject is in motion or stay still.





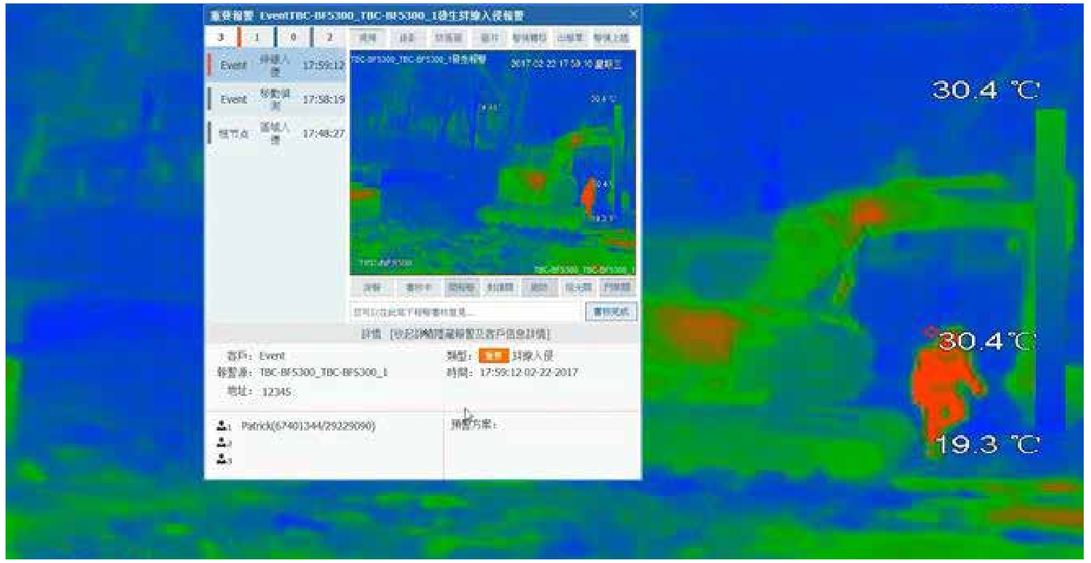


3.5 熱能探測 Thermal Detection

在缺乏照明設施的場地中，漆黑環境很難發現隱藏目標。只要安裝熱能探測鏡頭，入侵者的行蹤將即時泄露。

Thermal detector can detect heat and temperature which can functioned under the absence of lighting failures. It can detect locations where persons are present and the direction that a person moves.





3.6 移動偵測 Motion Detection

檢測給定警戒區域內是否有目標正在移動。

This system can detect any movement within the target area.





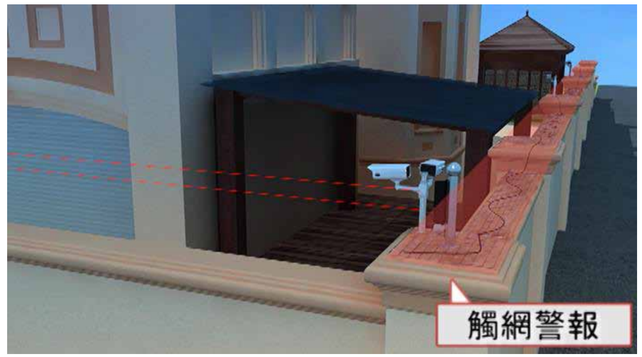
3.7 別墅檢測 Villa Defense

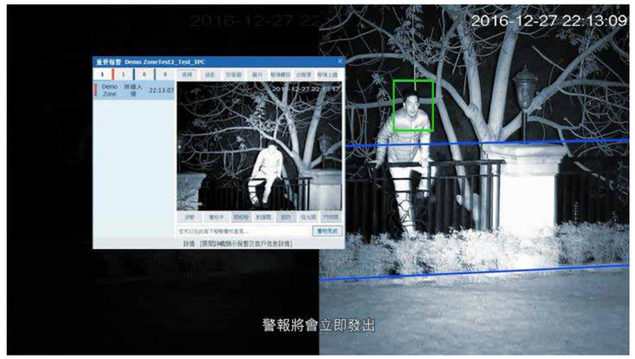
當入侵者觸動到預設的紅外線對射區域，警報將會立即發出，觸動40倍球機聯動，對入侵人員自動跟蹤放大，使入侵者臉面清晰可見，行蹤無所遁形。

When intruder is detected within the targeted infrared area, alarm will be trigger and 40X camera will kick in to track and zoom in for clear picture on the target.









3.8 物品搬移 Item Removal Detection

檢測給定警戒區域內是否有目標被搬移的時間超過設定時間。

This is an intelligent surveillance system which can detect whether goods placed in the target area has been moved away.







3.9 物品遺留 Items Left Detection

檢測否存在遺留的物體超過設定時間。

This system can detect whether certain subject or goods has been left behind longer than the time set.



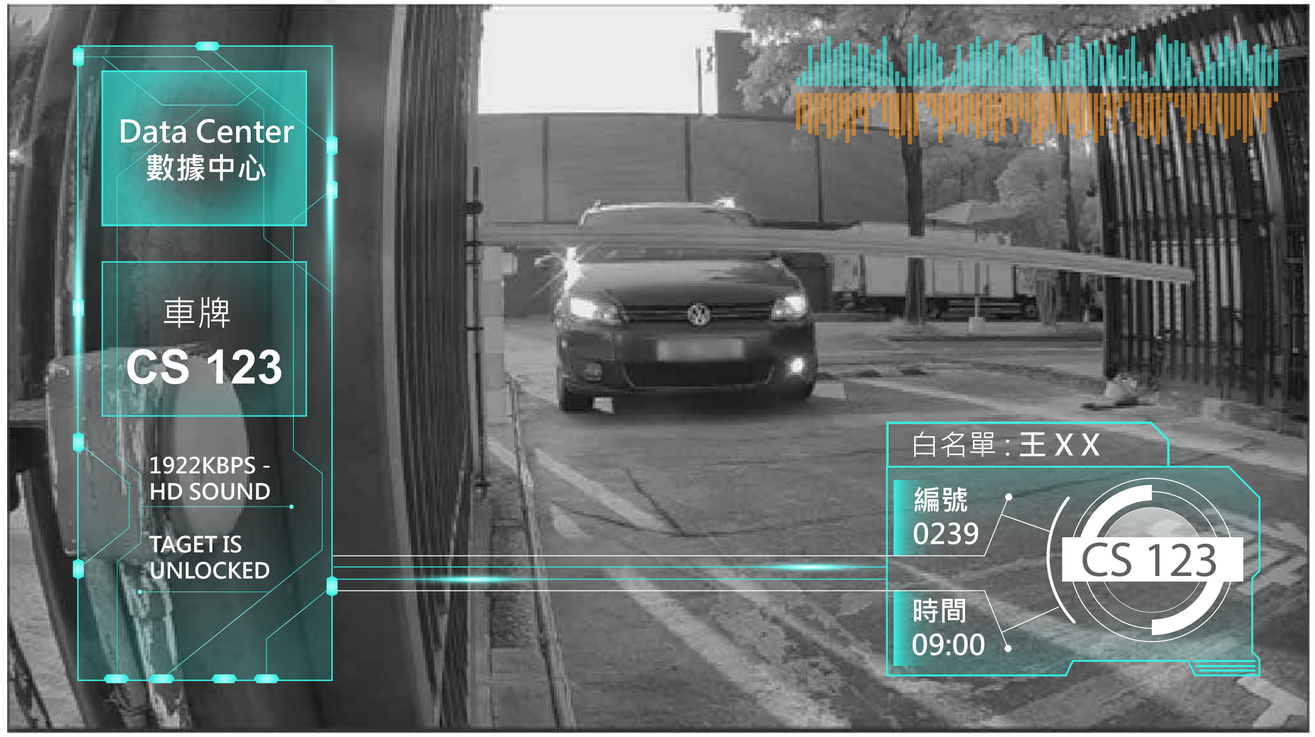




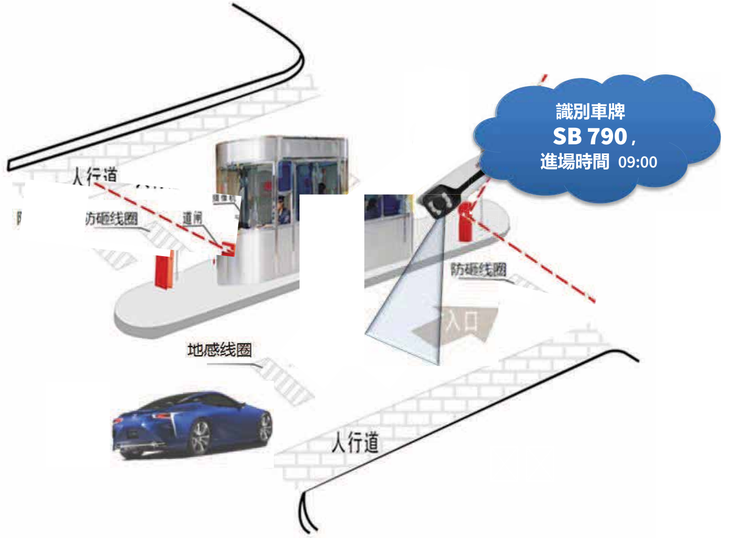
3.10A 車牌識別 Vehicle Plate Recognition

視頻識別不停車進場

Vehicle Plate Recognition



視頻識別不停車進場



- ✓ 車輛壓上地感線
- ✓ 鏡頭抓拍讀取車牌，記錄相關資訊
- ✓ 白名單(固定車輛)配對，系統自動開關
- ✓ 黑名單(Black List)車牌系統作出通知及提示管理員。

3.10B 高識別率 Vehicle License Plate Recognition

車牌識別技術能夠將行駛中的車牌號碼從復雜背景中提取並識別出來，通過車牌提取、圖像處理、特徵提取、車牌字符識別等技術，識別車輛牌號、顏色等信息，目前最新的技術的識別率可達到99.7%。

Vehicle License Plate Recognition is an image processing technology used to identify vehicles license plates. The system will automatically reads the plate number and compare to our predefined list and opens the gate if it match. This technology has an accuracy rate of 99.7%.

高性能出入口抓拍攝像機



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