Guardforce

Guardforce Solutions
衞安方案

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Company Background
有關衞安

Guardforce

Founded in Hong Kong in 1977, Guardforce is a leading one-stop security solution provider. Over the years, Guardforce has led the security industry by innovating and delivering solutions in our three core business areas – Secure Logistics, Security Personnel and Electronic Security – to protect the lives and assets of businesses and individual clients and care for the environment.

Staying true to our philosophy: "We deliver innovative solutions, fortified security and genuine care for the community, with the foresight to identify evolving needs", Guardforce has taken the lead on delivering innovative and sustainable solutions in the areas of Smart City and Internet of Things, Elderly Care and Robotics, which we believe are key elements for the future.

Combining our traditional and innovative solutions, we believe it will bring seamless protection to our clients and the community.

衞安於1977年在香港創辦，以一站式的保安服務傲視同業。多年來，我們走在行業的前端，在保安物流、人力安防和電子保安三個核心業務範疇不斷創新，致力保障商業機構和個人客戶的生命及財產安全，更為保護環境作出努力。

我們秉持著理念：「以前瞻視野洞察不斷演變的社會需要，致力創新，強化保安，用心關懷。」在智慧城市及物聯網科技、長者照顧和機械人科技等我們視為對未來發展非常關鍵的領域，率先推出創新並可持續發展的創新解決方案。

在傳統服務和創新方案並駕齊驅下，我們為客戶和社會帶來一氣呵成的安全保障。

"One-Stop Security Partner"

一站式保安專家

Security Personnel 人力安防

Robotics Solutions 機械人方案

Electronic Security 電子保安

Our Core 核心服務

Our Innovation 創意方案

Smart Elderly Care 智能護老方案

Secure Logistics 保安物流

Smart City Solutions 智慧城市方案
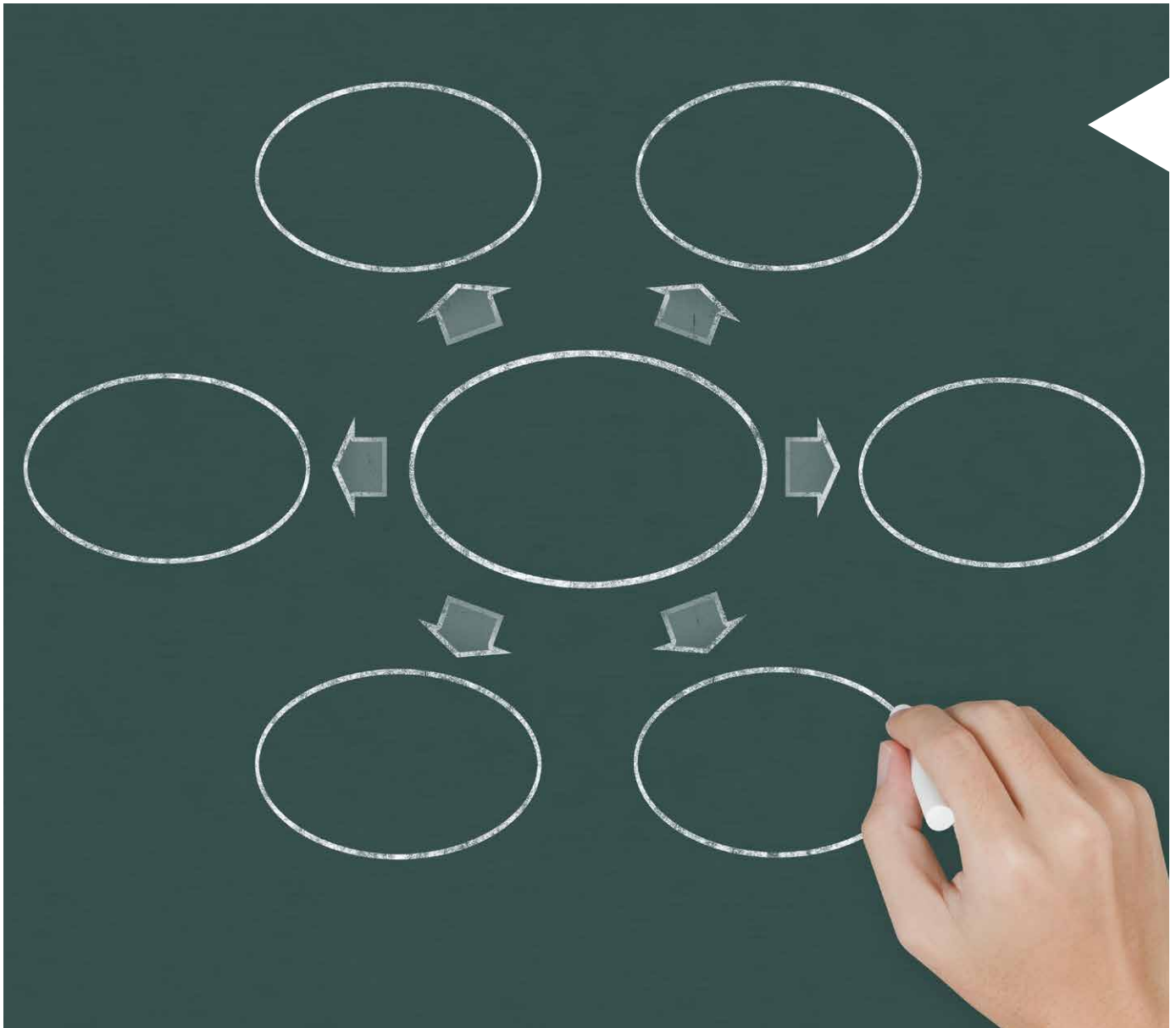
OUR CORE
核心服務

People are our valuable assets. We provide the best protection services to safeguard our customers through our people's experience, knowledge and skills that represent our professionalism. This is well demonstrated through our fundamental services: Secure Logistics services for escorting, safeguarding and managing cash and valuables; Security Personnel involving manpower-supported services such as guarding and facilities management; and Electronic Security, through which we provide our professional consultation and curate the best solutions for ensuring customers' assets are well protected with zero risks.

人力資源是我們最寶貴的資產，憑藉衞安全體人員的資歷、專業知識和技能，我們建立了可靠的基礎服務，為客戶保障生命財產安全。我們的核心服務包括：保安物流為客戶護送、保障和管理現金和貴重物品；人力安防服務由衞安的專人提供護衛及設施管理等服務；電子保安服務為客戶提供專業建議，供應一系列先進的設備，零風險保障財產安全。

Secure
Logistics
保安物流

Guardforce is one of the few companies in Hong Kong holding a Type II licence for providing secure transportation for collection, delivery and storage of cash, valuables and confidential documents in Hong Kong. A comprehensive cash management solution is offered to minimize operational risks and maximize efficiency for banks, retailers and corporations that deal with substantial daily cash turnover.

衞安是本地少數持有第二類別保安工作牌照的保安公司，獲認可在香港提供武裝運送服務，處理現金、貴重物品和機密文件的收集、運送和儲存等服務。我們的全方位現金管理方案，為需要處理大量現金收入的銀行、零售企業、機構等，減低營運風險，提升運作效率。

Secure Logistics 保安物流

Cash-In-Transit
現金押運

An armed and highly secure service for door-to-door collection and delivery of cash and valuables.

高度保安的服務，以武裝執行點到點收集和運送現金及貴重物品。

Cash Processing
現金處理

Round-the-clock cash processing service to count, sort, verify and then deposit collected cash from client.

全天候現金處理服務，為客戶收集現金後進行點算、分類、核實及存入銀行戶口。

Coin Processing & Supply
硬幣供應及處理

Wholesale coins supply and coin sorting services for retail outlets to meet daily operational needs.

硬幣批發供應及分類服務，讓零售點應付日常需要。

Smart Cash Deposit Machine
智能自動化存鈔機

An automated and multi-purpose in-store cash solution, a reliable and secure means of consolidating, storing, counting cash income

自動化的多功能店內存鈔解決方案，提供可靠、安全的現金收入收集、儲存和點算功能。

ATM Management
自動櫃員機管理

Comprehensive cash management and maintenance services for financial institutions to optimise ATM operations.

為金融機構提供全方位自動櫃員機現金管理和機件保養服務，優化自動櫃員機的運作。

Secure Storage
保安儲存

24 hours monitored fortified strong-room storage facilities to keep and protect customers' valuables.

24小時監管的強化保險庫，存放及保管客戶的貴重物品。

Secure Courier
安全速遞

A fleet of GPS-equipped vehicles to ensure compliance with your time-critical network delivery requirements.

裝設有GPS全球定位系統的車隊，為客戶執行緊急網絡運送任務。

Data Tape Management
磁帶儲存及管理

Secure physical vault especially designed for data tapes storage, with real time access to inventory record.

用安全穩妥的儲存庫保管數據磁帶，客戶並可隨時提取實時的庫存紀錄。

Guardforce Mobile Safe
移動保險箱

A premium door-to-door, 7/24 personal safe deposit box service for individuals to ensure total privacy.

高端點到點全天候 7/24個人保險箱服務，為個人客戶提供高度私隱保障。

Tri-guard Safe Deposit Box
Tri-Guard全自動智能保險箱

A pioneering personal safe deposit service operated with robotic arms with maximum security and long service hours.

尖端個人保險箱服務，用機械臂操作，達到最高級別的安全水平，服務時間超長。

Learn More

了解更多

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Security Personnel
人力安防

Guardforce provides comprehensive security guarding solutions to protect our customers. Our professionally trained guards have undergone stringent background checks and meticulous vetting procedures prior to employment to ensure total safety to customers. Our smart building solution also allows us to protect with more accuracy and efficiency using technology.

衞安為客戶的安全提供全方位的人力安防解決方案。我們經過專業訓練的保安人員，在入職前都必須通過嚴格的背景審查程序。配合旗下智能大廈管理方案，能讓我們更精準、更有效率地利用科技提供安防保障。

Manned Guard
站崗護衛

Guardforce provides protection guards for manning duties in commercial and residential locations.

衞安為商業及住宅設施提供站崗護衛服務。

Event Guard
活動保安

We support event security planning, crowd control and escort for large-scale events or private functions.

衞安為大型活動和私人聚會，提供活動保安策劃、人流控制和護送等服務。

Mobile Patrol
流動巡邏

A cost-efficient solution to empower clients with the flexibility of having guard service at their time schedule.

根據客戶所需的時段，提供彈性及成本效益高的服務。

Alarm Response and Key Holding Service
警鐘處理及鑰匙託管服務

Our professional trained team will take immediate action based on set instructions when clients' security alarm systems are triggered. Key holding service is also available for clients' premises for emergency.

警鐘系統發出警報時，衞安的專業、訓練有素的警衛會按客戶的預設指示第一時間採取適當的行動。我們亦為客戶提供鑰匙託管服務，配合緊急行動的需要。

QASRS (Level 1) Course
QASRS基本護衛
（第一級）課程

We provide professional certified training course (Quality Assurance System Compliance Level 1) for those who want to join the security industry.

我們為有志加入保安業的人士，提供QASRS基本護衛（第一級）課程。

Learn More

了解更多

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Security Personnel 人力安防

Left Luggage Service
行李託管

We offer safe custody of travellers' luggage bags at the Hong Kong station and Kowloon Station along the Airport Express line.

衞安在機場快線香港站及九龍站為旅客提供行李託管服務。

Airport Tax Refund Service
機場退稅服務

We operate a tax refund counter on behalf of Hong Kong Civil Aviation Department to process airport tax refund for a specific list of airport users.

衞安受香港民航處委託為特定機場使用者處理機場稅退稅事宜。

Airport Lost & Found
機場失物處理

We handle lost items and claims at the HK International Airport's Lost & Found counter.

我們負責在香港國際機場的失物認領處，處理失物和認領的工作。

Smart Building Management
智能大廈管理方案

Integrated with our guarding service, the solution uses the IoT to connect a sensors network for centralized monitoring of all sensitive areas of a building to avoid incidents.

利用物聯網連線的感應網絡，配合保安員服務，全方位中央監控大廈各個敏感區域，預防意外造成損失。

Learn More

了解更多

Electronic Security
電子保安

We offer a risk-free integrated security surveillance solution from consultation, design and installation service to maintenance, as well as state-of-art technology hardware and software to provide automated and absolutely secure solutions that suit different security requirements, from basic to extremely high levels of security, to ensure your premises is free from any security risks.

我們提供綜合保安監控解決方案，包括顧問、設計、裝置和保養等一條龍服務，採用高端的軟硬件，為客戶的設施提供全自動化、絕對安全的方案，可配合基本至最高級別的保安要求，防範任何保安風險。

Access Control
門禁系統

ZKTeco

Mars F-1000 series / Mars F-1000系列

Single Lane Flap Barrier Turnstile
Other options available with Controller / Fingerprint / RFID reader

單行翼閘
可加設操控器/ 指模機/ RFID 閱讀器

ZKTeco

SBTL-5000 series / SBTL-5000系列

Single Lane Swing Barrier Turnstile
Other options available with Controller / Fingerprint / RFID reader

單行擺閘
可加設操控器/ 指模機/ RFID 閱讀器

ZKTeco

SpeedFace - V4L / SpeedFace - V4L
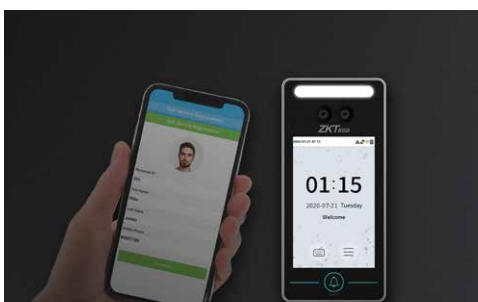
Linux-based Hybrid-biometric Access Control & Time and Attendance Terminal with Visible Light Facial Recognition and other verification method includes Palm / Card / Password

基於 Linux 運作系統的混合生物特徵認證門禁控制和考勤終端, 附設Visible Light人臉辨識和多重認證方式包括手掌/ 讀卡/ 密碼

ZKTeco

SpeedFace-V5L[QR][TD] / SpeedFace-V5L[QR][TD]

QR Code and Biometric Verification Terminal with Temperature and Mask Detection Technology and multiple verification methods: Visible Light Face Recognition / Palm / QR Code / Password

2D barcodes scanning: QR Code, PDF417, Data Matrix, MicroPDF417, Aztec and scramble QR code with ZKBio Security Mobile App

二維碼及生物特徵認證終端機，附設體溫及口罩探測技術, Visible Light人臉辨識和多重認證方式包括手掌/ 讀卡 / 二維碼/ 密碼

二維條碼掃描：二維碼/ PDF417/ Data Matrix/ MicroPDF417/ Aztec 及使用 ZKBioSecurity 流動應用程式加擾二維碼

ZKTeco

V5L[TI] / V5L[TI]

Face & Palm Verification and Thermal Imaging Temperature Detection Terminal with Visible Light Facial Recognition and Mask detection

Multiple verification methods: Face / Palm / Fingerprint / Password

容貌和手掌驗證和熱成像溫度檢測終端附設Visible Light人臉辨識及口罩偵測

多種驗證方式：人臉/ 手掌/ 指紋/ 密碼

ZKTeco

ZKBio Access IVS / ZKBio Access IVS

ZKBio Access IVS is a lite web-based security platform which supports most ZKTeco hardware. It provides abundant functionalities that fully meet management requirements of small-to-medium-sized businesses: Personnel Management, Access Control, Attendance Management, Video Surveillance, Temperature Detection and Management, System Management.

The new software supports German, Italian, Romanian and Polish. It allows users to switch among 17 languages.

ZKBio Access IVS是網絡版精簡保安平台, 支持大部分 ZKTeco 硬件，具備豐富的功能，對接中小企業的管理需要，包括：人事管理、門禁控制、考勤管理、視像監控、體溫偵測與管理、系統管理。

用戶可切換 17 種語言，新軟件更支持德語、意大利語、羅馬尼亞語和波蘭語。
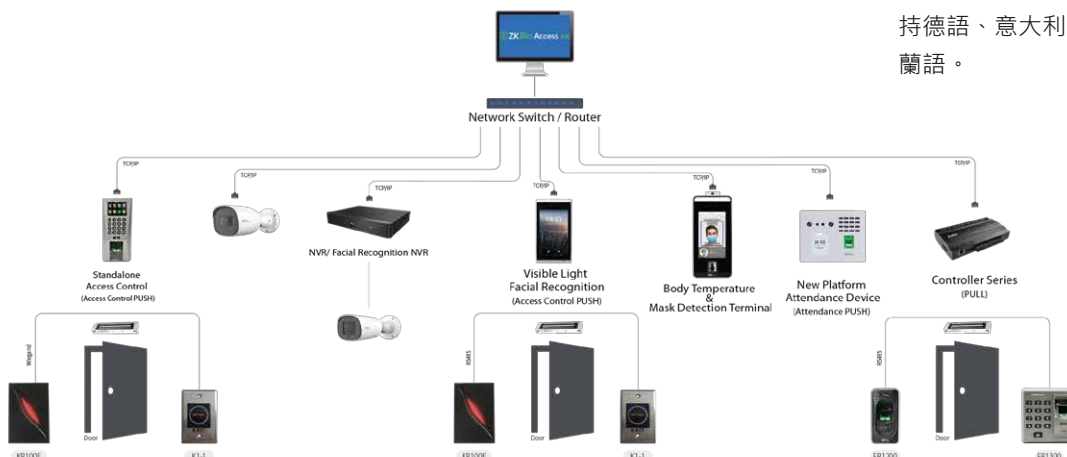
Burglar Alarm
警鐘系統

Optex

Redscan Mini - RLS2020I (Indoor Only) / Redscan Mini – RLS2020I (只供室內應用)

An Indoor IP / PoE laser scan detector providing 20 x 20 m vertical and horizontal detection area.

The RLS2020I helps protect assets, equipment, wall and ceiling by creating an invisible laser wall and detecting an intrusion breaching it.

Its compact, cosmetic and versatile design makes it very easy to install and covers many configurations.

Not impacted by any lighting condition, the RLS2020I will trigger to enhance video surveillance or a wide range of security systems.

室內 IP / PoE 激光掃描檢測器，檢測區域的面積為20 x 20米。

RLS2020I可建立無形的激光牆感應入侵者，以監控空間內的資產、設備、牆壁和天花板。裝置體積輕巧、外型美觀、設計具備多功能，而且安裝容易，可容許多種配置。

RLS2020I在任何室內照明的環境下，均可啟動視頻監控或各類型的安全系統。

DETECTION AREA

20m (65ft.)
20m (65ft.)
20m (65ft.)
20m (65ft.)
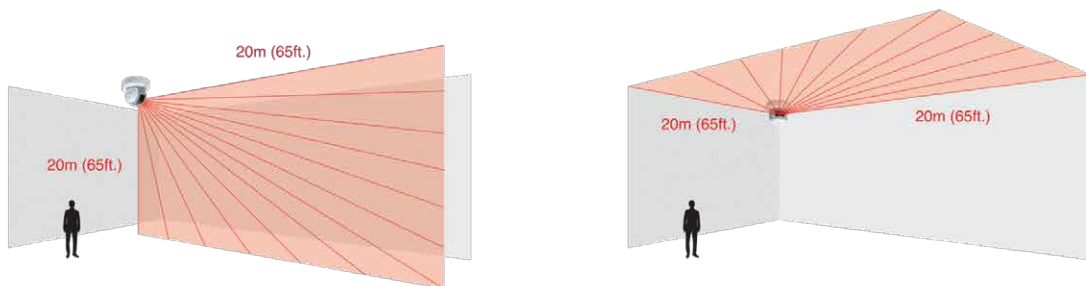
APPLICATION EXAMPLES

Skylight protection at Public facility / Warehouse

Ceiling protection at Data center

Window/Wall protection at Commercial facility/Office

Optex

Redscan Mini - RLS2020S (Indoor and Outdoor) /
Redscan Mini - RLS2020S (室內及室外應用)

RLS2020S is a unique series of laser scan detectors providing 20 x 20 m vertical and horizontal detection area. It has a cosmetically pleasing and compact design which can be installed anywhere including difficult indoor application.

The multi-angle adjustment and detection mounting options bring flexibility and a quick set up.

This provides for effective integration with video surveillance systems and a wide range of security applications.

RLS2020S檢測區域的面積為20 x 20米, 是獨特的 PoE激光掃描探測器系列，外型美觀、體積輕巧，適用於任何環境，包括複雜的室內應用。

裝置可多角度調節，安裝方式靈活，方便快速配置，並可與各類視頻監控和保安系統同時配置使用。

DETECTION AREA

20m (65ft.)
20m (65ft.)
20m (65ft.)
20m (65ft.)
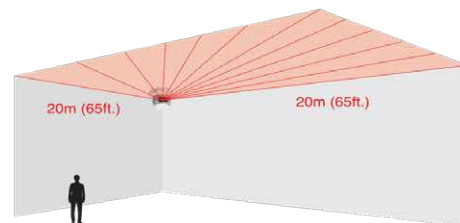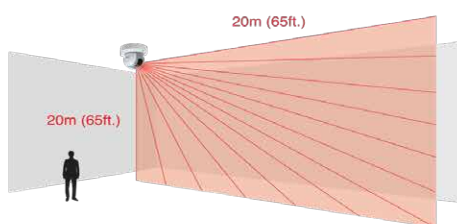
APPLICATIONS

Art protection at Museum

Surveillance at Airport

Wall protection (outdoor) at Warehouse

Optex

RedScan Pro - RLS3060V / RedScan Pro - RLS3060V

Redscan Pro series is an advanced 2D LiDAR sensor which can detect moving objects, with long-range 30 m x 60 m (100 ft x 200 ft), intelligent, and customizable outdoor and indoor laser sensors.

It's auto area adjustment, small animal tolerance and environmental resistance function can largely reduce false / missed alarm.

It's visualization of detection area, built-in angle adjustment function and setting with web browser can reduce mistakes significantly.

It can verify the cause of the detection via event log function, assistance cameras and high-memory capacity.

Redscan Pro 系列採用先進的 2D LiDAR 感應器檢測移動的物體，具有遠程 30 米 x 60 米 (100 呎 x 200 呎) 智能可定制的室外和室內激光感應器。

裝置具備自動區域調整、可容忍小動物干擾和抵抗環境因素，可以大大減少誤鳴或未能感應等問題。

裝置可透視監控的區域，加上內置角度調整功能和網絡瀏覽器設置，有助顯著減少誤判。

透過事件紀錄功能、輔助攝錄鏡頭和高記憶容量，裝置可自行驗證探測到異樣的原因。

APPLICATION

Important facility protection
Sub-stations, Gas facilities

Rooftop protection
Bank, Money transaction facility

Wall protection
Warehouse, Distribution Center

Loitering protection
VIP Residence

Redwall Laser Scan Detector - RLS3060L / Redwall 鐳射掃描感應器- RLS3060L

The Redscan 3060 can detect a moving object's size, speed and distance from the detector and process that information with a unique algorithm, which results in high-reliability detection with minimal false alarm.

When vertical detection area is selected, it creates a maximum 60 m (200 ft) detection area like an invisible wall.

When horizontal detection area is selected, it creates a detection area with a radius of maximum 30 m (100 ft) and an arc of 190 degree.

It is a low-cost, high-performance intrusion device with four adjustable detection zones and linked output for PTZ camera control.

It is a detection solution for fence lines, building protection, rooftops and narrow boundary zones with simplified control for easy set up.

Redscan 3060 可以檢測移動物體的體積、移動速度和距離檢測器有多近，然後用獨特的算法處理這些信息，達到高度可靠的監控，可大幅減少警鐘誤鳴的機率。
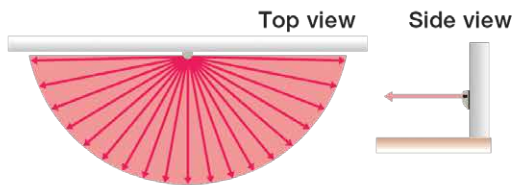
若設置為垂直監控，監控區的高度可達60米 (200 呎) 的，猶如一道無影牆。
若設置為橫向監控，可建立半徑達30米 (100 呎) 及190度弧度的監控範圍。

裝置成本低、性能高，可設置四個可調節的監控範圍，並連接及輸出至PTZ 攝錄控制系統。
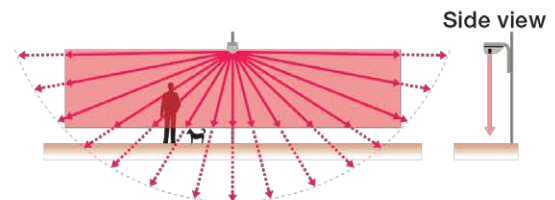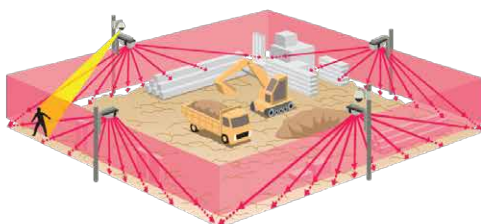
裝置安裝和操控簡易，適用於監控外圍、建築物保護、屋頂和狹窄的圍欄區域。

DETECTION AREA

■ Image of horizontal detection area

Top view   Side view

■ Image of horizontal detection area

Side view

■ Vertical detection area example

■ Horizontal detection area example
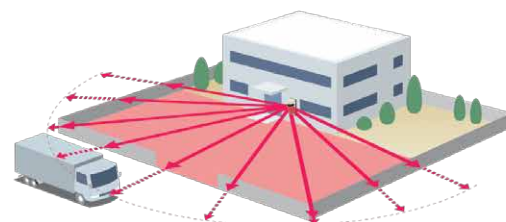
VISTA-21iP VISTA® CONTROL PANEL / VISTA-21iP VISTA® 控制面板

The VISTA-21iP provides up to 48 zones of protection, an on-board IP connection, graphic keypad support and dual partitions. The VISTA-21iP gives you the ability to send alarm signals and upload/download via an Internet Protocol (IP), improving the speed at which information can be delivered to and from the control panel.

VISTA-21iP 可設置達 48 個保護區域，內置IP 連線、圖形鍵盤和雙分區。VISTA-21iP可通過IP發送警報信號和上傳/下載，快速將信息傳輸至控制面板。

VISTA-128BPT SERIES / VISTA-128BPT 系列

Partitioned Commercial Burglary Alarm Control Panels

The VISTA-128BPT is a powerful member of the Honeywell family of commercial alarm panels, integrating burglary, CCTV and access control functions. Many features are available that extend the applications of the VISTA-128BPT while simplifying end-user operation.

分區商業防盜警鐘控制面板

VISTA-128BPT 是Honeywell 商用警鐘面板系列的強大產品，集防盜、閉路電視和門禁功能。更有多種功能，擴展VISTA-128BPT 的應用，同時為用戶簡化操作。

Additional features :

- Basic Hardwired Zones
- Polling Loop Expansion
- Wireless Expansion
- Scheduling
- Eight Partitions

附加功能：

- 基本實綫防區
- 自動輪詢環回線路擴展
- 無線擴展
- 預定時間表
- 八個分區

CCTV & Network Video Recorder
閉路電視 & 網絡錄影機

VidoNet
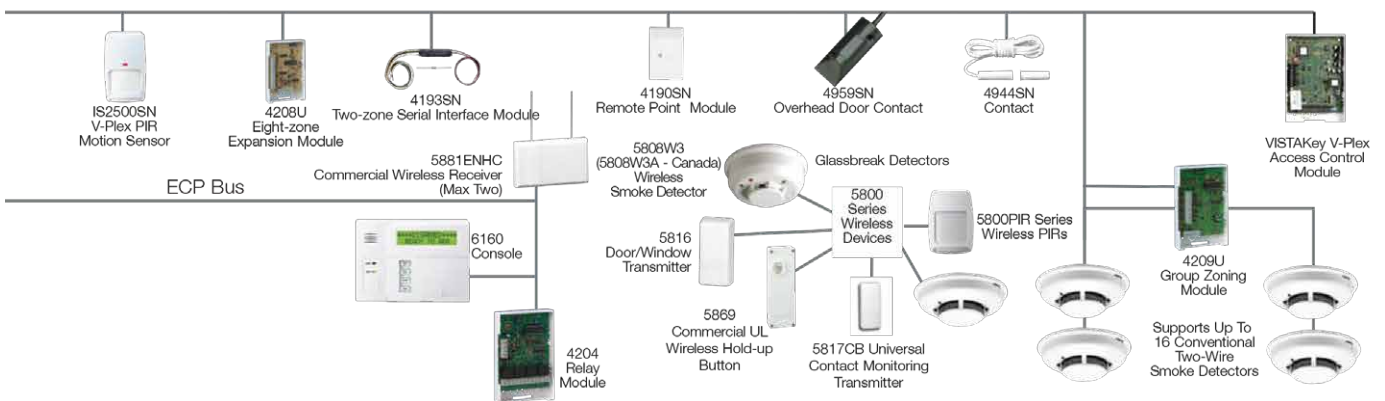
VTC-MD 20 2 MP Network IR Mini Dome Camera /
VTC-MD 20 2 MP網絡IR 微型球狀攝像鏡頭

Features

- 1080P (1920 × 1080) full time coding
- ICR auto switch, true day / night
- 20 m IR night view distance
- 3D DNR, true WDR, ROI coding
- Smart analytics (optional): line crossing detection, abnormal video
- Support CVBS video output and PoE power supply
- One MIC IN and one built-in sound pick-up
- IP66 & IK10 ingress protection
- Support three streams

特點

- 1080P (1920×1080) 全時編碼
- ICR自動切換,真正夜視功能
- 20米 紅外夜視距離
- 3D DNR、真WDR、ROI 編碼
- 智能分析(可選):越線偵測、異常視頻
- 支持CVBS視頻輸出和PoE供電
- 1 個 收音MIC 和 1 個內置拾音器
- IP66,IK10 防護等級
- 支持三流

VidoNet

VTC-D81-AF 8 MP Network IR Water-proof Dome Camera /
VTC-D81-AF 8 MP 網絡 IR 防水球型攝像鏡頭

- H.265 main profile video compression technology, high compression ratio, stable stream control
- Max. resolution: 3840 × 2160
- ICR auto switch, true day / night
- 30m IR night view distance
- 3D DNR, digital WDR
- Smart analysis including object removal, line crossing detection and intrusion detection, etc.
- Support defogging, HLC, BLC, digital image stabilization and defect correction
- 8 ROI coding
- TF card local storage, up to 128GB
- Support local CVBS video output and two-way audio
- Support PoE power supply
- IP66 & IK10 ingress protection
- Support three streams

- H.265主檔錄像壓縮技術,高壓縮率,穩定數碼流控制
- 最高解像度:3840 × 2160
- ICR自動切換,真正夜視功能
- 30米紅外夜視距離
- 3D DNR、數碼 WDR
- 智能分析物體移除、越線偵測和入侵偵測等情況
- 支持去霧、HLC、BLC、數碼圖像穩定和缺陷校正
- 8個 ROI編碼
- TF卡內置存儲量達128GB
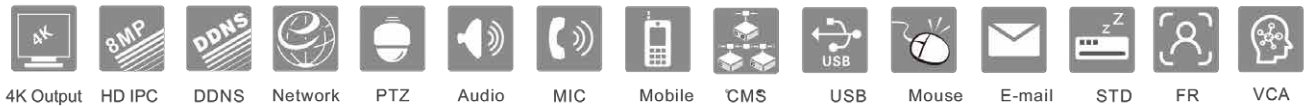- 支持原地CVBS影像輸出和雙向對話
- 支持PoE供電
- IP66,IK10 防護等級
- 支持三流

VidoNet

32 CH NVR Face Recognition RAID NVR VN-VTN-332A1
32 CH NVR 人臉辨識 RAID NVR VN-VTN-332A1

VidoNet VTN-332A1 series include 32 Channel Max. 8MP high definition NVRs, which adopt the most advanced SOC technique to ensure high-definition recording in each channel and realize outstanding robustness of the system.

VidoNet VTN-332A1 系列包括 32 頻道最高8MP高清NVR，採用最先進的SOC技術，保證每個頻道均達到高清錄像，達到系統的強大性能。

| 4K Output | HD IPC | DDNS | Network | PTZ | Audio | MIC | Mobile | CMS | USB | Mouse | E-mail | STD | FR | VCA |

VidoNet

32 CH PoE NVR | Face Recognition NVR | VTN-332P8-AI
32 CH PoE NVR | 人臉辨識 NVR | VTN-332P8-AI

VidoNet-VTN-332P8-AI series include 32 Channel Max. 8MP high definition PoE NVRs, which adopt the most advanced SOC technique to ensure high-definition recording in each channel and realize outstanding robustness of the system.

VidoNet-VTN-332P8AI series integrate with 16 PoE network ports, support 16 Channel.

VidoNet VTN-332A1 系列包括 32 頻道最高8MP 高清NVR，採用最先進的SOC技術，保證每個頻道均達到高清錄像，顯示系統的強大性能。

VidoNet VTN-332P8AI系列有16個PoE網口，支持16頻道。

| 4K Output | HD IPC | DDNS | Network | PTZ | Audio | MIC | Mobile | CMS | USB | Mouse | E-mail | STD | FR | VCA |

VidoNet

HDMI Display | 64 / 128 CH RAID NVR | VTN-464-H.265 / VTN-4128-H.265
HDMI 顯示屏 | 64 / 128頻道 RAID NVR | VTN-464-H.265 / VTN-4128-H.265

VTN-464-H.265 / VTN-4128-H.265 series include 64 / 128 Channel Max. 8MP high definition NVRs, which adopt the most advanced SOC technique to ensure high definition recording in each channel and realize outstanding robustness of the system. The redundancy of data feature helps eliminate data loss risks due to hardware failure.

VTN-464-H.265 / VTN-4128-H.265 系列包括 64 / 128 頻道最高8MP 高清NVR，採用最先進的SOC技術，保證每個頻道均達到高清錄像，顯示系統的強大性能。Data redundancy 功能能減少因硬件故障而引起數據流失的風險。

| 4K Output | HD IPC | DDNS | Network | PTZ | Audio | MIC | Mobile | CMS | USB | Mouse | E-mail | STD |

Central Alarm Monitoring
中央監控中心

One of our cornerstone services is our Central Alarm Monitoring Service. We have developed our Central Alarm Monitoring service to be a best-in-class complete end-to-end solution for our customers by combining our state-of-the-art alarm systems with a highly-trained monitoring team located at our secure facilities.

State-of-art technology is deployed to ensure absolute safety.

中央警鐘監控是我們的重點服務。我們的中央警鐘監控服務水平傲視同業，結合我們的精英監控團隊在旗下的保安設施遠程監控，衞安為客戶提供全方位監控服務。

我們採用最先進的科技，達到嚴格的安全水平。

Patriot System - Patriot 6
Patriot 系統 - Patriot 6

Patriot 6 is the world's most advanced alarm monitoring software. Integrated with all standard alarm receivers, Patriot also connects with world-leading IP panels & communicators, camera systems and lone worker devices.

Patriot provides an ever evolving suite of modules to meet your station and customer requirements.

- DR & HA options
- Scalable from 100 to 100,000+ Accounts
- Meets international grading criteria, BS, UL, Grade1

Patriot 6 是全球最先進的警鐘監控軟件，可配合各種標準的警鐘接收器使用，Patriot更可連接頂尖的 IP 面板和通信器、攝像系統和獨立的工作人員設備。

Patriot 並供應一套不斷演進的模塊，可滿足監控台和客戶的要求。

- DR & HA 選項
- 可從 100 個帳戶擴展到超過 100,000 個帳戶
- 符合BS、UL、Grade1等國際級標準

Facial Recognition System
人臉辨識系統

The technology makes use of algorithms based on facial features, personal traits and behaviour to identify a person through live or recorded images. No detachable wearable devices will be required in the identification process. The system can be widely use for:

Surveillance and Finder

- Detects multiple faces in real-time
- Search for a specific subject in one or various recorded video

Access Control

- Face biometrics is used to identify users from access control lists and verify their identity

Marketing

- Learn more about your customers and classify individuals based on their physical appearance and use that information in interactive, targeted marketing

The solution is widely adopted in the area of access control, VIP & black list detection, suspect detection, attendance and more.

高端人臉識別門禁系統結合閉路電視系統，以非入侵性的方式，有效地監察多個進出口。這系統可廣泛用於：

監視和查找

- 實時檢測多張人臉
- 在一個或多個錄製的視頻中搜索特定目標

門禁系統

- 識別用戶訪客並驗證其身份

營銷

- 根據客戶的個人外貌進行分類，並根據分析進行針對性的營銷策略

此系統適用於門禁監控、貴賓和黑名單人員偵測、可疑人員偵測、考勤等多種用途。

Learn More

了解更多

Video Analytics Solution
視頻分析方案

Video Analytics Solution provides artificial intelligence and machine learning capabilities, taking into account changes in the environment to minimize the risk of false alarms.

Features include quick identification of search objects, easy location identification, advanced tracking of faces, objects and car license plates, forensic tracking, dwell and loitering monitoring, people counter and queue management analysis.

視頻分析方案借助人工智能和機器學習能力，並懂得考慮一般的環境變化因素，有助大大減低警鐘誤鳴的風險。

方案的功能包括：快速辨別搜尋的對象或物體、簡易位置識別、高端追蹤容貌、物體或車牌號碼、法證追蹤、監視停留或遊蕩情況、點算人數，以及排隊管理分析。

Learn More　　　　　**了解更多**

License Plate Recognition System
車牌辨認系統

License Plate Recognition (LPR) is the software to capture photographic video or images from license plates and transform the optical data into digital information in real-time. It is widely used technology for vehicle management operations such as ticketless parking (off-street and on-street), parking lots, tolling, stolen vehicles detection, smart billing etc.

By bringing the license plate digital information and other data to the mix, License Plate Recognition allows operators to immediately gather and associate more data about every vehicle passing a control point:

- The action itself: time, place, direction and speed of the vehicle
- The vehicle: origin, restrictions or security alerts
- The driver: license number, personal public or contact information about the driver

車牌辨認（LPR）軟件可捕捉車牌的影片或圖像，實時將視像數據轉化爲數碼信息，可廣泛用於車輛管理的運作，例如無票泊車（街外或街上）、停車場、收費站、偵測失車、智能收費等。

將車牌辨認的數碼資料配合其他數據使用，可讓使用者即時收集和連接每部經過監控點的汽車的資料，包括：

- 車輛行走的時間、地點、方向和車速
- 車輛的型號、限制和保安預警
- 司機的牌照號碼、個人的公開信息和聯絡資料

22

Electronic Security 電子保安

Plate: VAXTOR
Model: Benz S
Color: Grey
Class: Private car
Speed: 160kph/100mph, Towards
Time: 16:26, 20 Mar 2022
Location: 51501476, -0140634
Country of Origin: Hong Kong

Vaxtor MMC & Vclass
Deep Learning Technology
Real-time Vehicle Make, Model & Color Recognition
with Vehicle Classification and ALPR

AXIS P1455-LE Network Camera / AXIS P1455-LE 網絡攝像鏡頭

AXIS P1455-LE offers excellent image quality in HDTV 1080p at up to 60 fps. Others features include:

- AXIS Lightfinder 2.0 and AXIS Forensic WDR, it delivers true colors and great detail in challenging light or near darkness
- AXIS Object Analytics able to detect and classify humans and vehicles
- With edge-to-edge technology, it offers smart pairing functionalities including two-way audio with AXIS Network Speakers
- Motion-adaptive exposure significantly reduces the motion blur from approaching or nearby objects
- Optimized IR enables surveillance in pitch darkness

AXIS P1455-LE 的HDTV 1080p影像清晰,有高達 60 fps,其他功能包括:

- 配備 AXIS Lightfinder 2.0 和 AXIS Forensic WDR,在黑暗的環境亦能提供真實的色彩和細節
- AXIS 物體分析可偵測和分辨人體和車輛
- 其邊到邊技術具備智能配對功能,包括使用 AXIS 網絡揚聲器雙向通話
- 自動調節曝光可大大減少移動中的影像的模糊度
- Optimed IR 令裝置可在漆黑的環境仍可進行監控

AXIS Camera with built-in License Plate Recognition (VaxALPR On Camera)
AXIS 錄像頭內置車牌辨認功能 (VaxALPR On Camera)

VaxALPR On Camera is the leading OCR software for license plate detection and recognition embedded in AXIS cameras with ARTPEC-4, ARTPEC-5 and ARTPEC-6 chipsets.

VaxALPR On Camera是領先的車牌辨認OCR軟件,內置於AXIS錄像頭,採用ARTPEC-4、ARTPEC-5 和 ARTPEC-6晶片。

Smart Mailbox System
智能郵箱系統

This keyless mail box management system provides multi-interface for system integration, such as Video Door Phone System & Intercom System. The mail detection feature can check the mail box status and send messages by integrating third-party Video Intercom System or Web Management System to notify tenants when there is mail.

When a tenant presents a valid Smart Card / Octopus Card to the card reader, the corresponding electric lock will be released for a pre-set time interval, and re-locked automatically after a set time.

無匙郵箱管理系統提供多介面系統，整合視像門鈴系統和對講系統。郵件偵測功能可用於檢視郵箱的狀態，與第三方的視像對講系統或網絡管理系統結合，通知住戶郵箱有郵件待領。

住戶可用智能卡或八達通卡拍卡開啟電子鎖，郵箱打開後經預設的時限會自動重新鎖上。
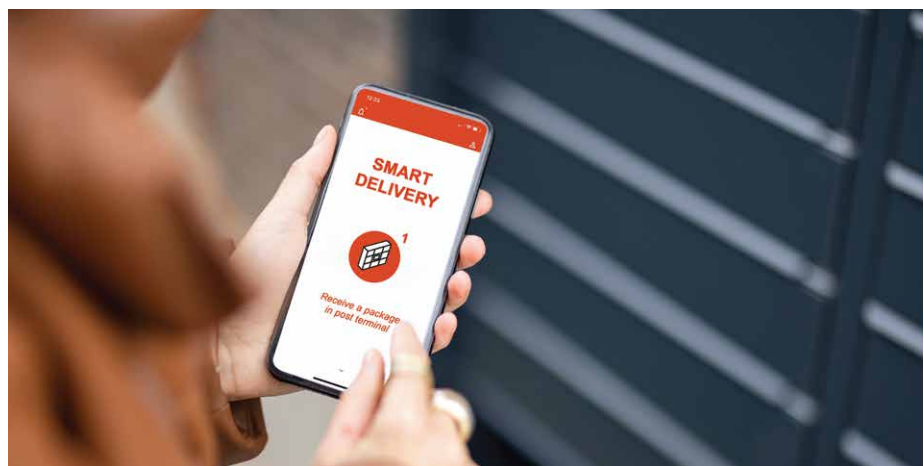
Physical Safe
夾萬

King Cobra / King Cobra 夾萬

- Approved by ECB.S to security level S2 in accordance with EN14450
- Offer 30 minutes of fire protection for documents
- Tested in accordance with Japan fire test J.I.S. S1037
- Model 1 to 5 have a capacity of 32 litres to 170 litres
- Ideal for: Offices, Retail Shops, Restaurants

- 經 ECB.S 認可，符合 EN14450 標準安全等級 S2
- 文件的防火保護達 30 分鐘
- 通過日本防火測試 J.I.S. S1037
- 1 至 5 型號的容量達 32 至 170 公升
- 適用於辦公室、零售店舖、食肆等

ProGuard / ProGuard 夾萬

- Approved by ECB.S in accordance with European standard EN1143-1
- Grade II and III burglary protection
- Grade III model offers higher level of protection and thinner walls to provide larger capacity
- Models 60 to 450 have a capacity of 62 litres to 463 litres
- Ideal for: Money Changers, Banks and Financial Entities

- 經 ECB.S 認可，符合 EN1143-1安全標準
- 達II級和III級防盜級別
- III級型號具有更高級別的保護，而且壁身較薄，容量更大
- 型號 60 至 450 的容量達 62 至 463 公升
- 適用於找換店、銀行及金融機構等

Europa / Europa 夾萬

- Tested and approved by ECB.S in accordance with European standard EN-1143-1
- Grade III & V burglary protection
- High-quality cash safe for keeping cash in offices
- Size 2 to 7 have a capacity of 116 litres to 715 litres
- Ideal for: Jewellery Shops, Treasury Offices, Banks and Financial Entities

- 經 ECB.S 認可及通過測試，符合 EN-1143-1 標準安全
- 達III級和V級防盜級別
- 辦公室內高規格的現金儲存方案
- 2 至 7 型號的容量達 116 至 715公升
- 適用於珠寶店、庫務署、銀行及金融機構等

OUR INNOVATION
創新方案

To cope with the ever-changing world, technology has become increasingly important in enhancing the quality of our work efficiency. We have gone out of our way to find out the pain points and the needs of under-served sectors, and curated disruptive solutions for our community's enhanced and sustainable future. GF Technovation, a spin-off from the Business Strategy and Transformation Department of Guardforce group, has been set up to focus on 3 main development areas – smart city, elderly care and robotics solutions.

在不斷演變的世界，科技在提升工作效率和質素方面起著重要的作用，我們積極了解缺乏服務的界別所面對的痛點和所需的服務，並且從衛安的業務策略和轉型部門衍生的衛晉公司，專注於開發智慧城市、長者護理和機械人方案等三個重點項目。

GF
TECHNOVATION

Smart City
Solutions

智慧城市方案

In step with the government's smart city blueprint, technology and IoT solutions are used to enhance hygiene sector efficiency where labor shortage is prevalent. Use of IoT to capture data and store in clouds allows management to better plan for deploying resources.

按政府的智慧城市發展藍圖的進展步伐，科技和物聯網方案可應用於優化人手短缺的衛生服務界別。利用物聯網收集的數據可在雲端儲存，有助管理人員更有效地分配資源。

Smart Waste Bin
智能廢物箱

IoT sensors are embedded to monitor the fill-up level of the bin and compress content to enlarge bin capacity by up to 6 times.

內置物聯網感應器，可監察容量水平，並壓縮箱內的廢物，將容量增大6倍。

Smart Food Waste Recycling Bin
智能廚餘箱

The bin can record user identity and auto-weigh disposed volume, allowing building management to allocate cost by weight.

可記錄使用者的身分，並自動將廢物過磅，方便管理人員按重量收費。

Auto-Sorting Recycling Bin
自動分類回收箱

Integrating AI and image processing technology, the bin can auto-sort the waste deposit by type and compress if full.

結合人工智能和影像處理科技，可自動將廢物分類，在滿載時壓縮廢物。

Learn More　　　了解更多

Smart City Solutions 智慧城市方案

Smart Toilet System
智能洗手間管理系統

Cleaning-on-demand concept using IoT sensors to detect the cleanliness of the toilet, consumption level of supplies, occupancy and if someone has taken a fall so as to render immediate assistance. Data captured allow management to deploy manpower accordingly to reduce waste of resources and enhance user experience.

利用物聯網感應器偵測洗手間的清潔程度、各種用品的供應水平、廁格是否在使用中以及偵測跌倒意外等狀況以便安排即時援助。所收集的數據有助管理人員在有需要時才派人處理，因而可減少浪費資源，並提升用家的體驗。

Learn More　　　　了解更多

Smart Safety Monitoring System
智能工業安全警報系統

A system uses IoT, artificial intelligence and video analytics integrated with various hardware and software tailored to monitor occupational safety round the clock to prevent accidents. It can use for detection of smoke and fire, trespassing, abnormal objects, usage of personal protective equipment, vibration, with also features with real time monitoring, people counting and photo record and more.   When the system detect unusual occurrences on a site, it will issue an alert to the pre-set mobile app or email for designated personnel to take appropriate action.

系統利用物聯網、人工智能及視頻分析技術，再配合不同之軟、硬件，可靈活應用在建築地盤，24小時無間斷地偵測工地各種職安危機，預防意外發生。它可用於檢測煙霧和火災、非法侵入、異常物體、個人防護設備的使用、振動，還具有實時監控、人數統計和照片記錄等功能。當偵測到工地出現異樣時，系統會立即發放警報到預設之流動APP或電郵，通知指定負責人即時採取適當的行動。

Learn More　　　　了解更多

Smart Elderly Care

智能護老方案

Keeping elderly residents and other vulnerable groups safe, whether in care homes or at community centers, is extremely important. Now using technology not only can keep them safe from accidents, but also improve their well-being, relieve burden for caregivers and improve their efficiency.

在護理設施或社區設施保障長者或弱勢人士安全，是非常重要的任務。引入科技不但可預防意外發生，更可提升受照顧人士的身心健康，亦有助減輕照顧者的負擔，提升其工作效率。

Smart Elderly Care 智能護老方案
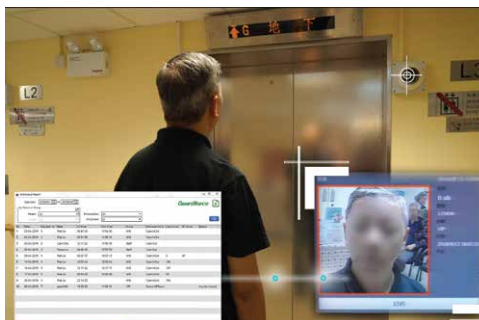
Smart Anti-Wandering System
智能防遊走系統

Integrating facial recognition with CCTV and door access control, it is a non-intrusive way to prevent the elderly from wandering off unaccompanied and cause accidents.

結合人臉辨識、閉路電視和門禁操控，用非入侵性的方式，防止長者遊走發生意外。

Bed Exit Alarm and Fall Detection
離床及跌到警報

Detect accidents using millimeter wave radar technology and ensure the elderly receives immediate assistance and privacy is maintained.

用毫米波雷達技術偵測意外，以便為長者提供即時的救援，亦確保其私隱不會被侵犯。

Ex-Brain Brain Activity Sensor
ExBrain腦活動感應器

A brain sensor using near-infrared technology to boost quick thinking, memory and focus to enhance cognitive health.

用近紅外線技術，促進敏捷思考、記憶力和專注力，維持認知能力。

VR 360 Virtual Tours
VR360虛擬實境設備

Through VR360 virtual reality goggles, seniors are taken on tours to experience different areas of Hong Kong, in the comfort of their seats.

VR360虛擬實境設備，帶領長者遊覽各香港區域，長者足不出戶亦可體驗各區的氣氛，感受不一樣的香港。

Vital Signs Sensors
生命跡像感應器

Using IR-UWB RADAR sensor to detect human vital signs, an alarm signal will be sent if any of the vital signs – heart rate, breathing rate and movement – is not detected.

利用IR-UWB雷達感應器，偵測人體的生命跡象，當不能偵測到心跳、呼吸或行動等任何一種跡象，會即時發出警號。

Learn More

了解更多

Robotics Solutions

機械人方案

Robotics solutions are designed to take over repetitive, time consuming or dangerous tasks which would normally be performed by humans. Robotics are ideal solutions and have proven benefits in improving efficiency, optimizing manpower and delivering a number of value-added functions, making them extremely cost-effective solutions.

機械人方案旨在代替人手，取代重複、耗時和有危險的任務，對於提升效率、精簡人手方面效果非常理想，並可加入各種增值功能，是極具成本效益的解決方案。

Robotics Solutions 機械人方案

Disinfection Robot - Virusguard
消毒機械人

Equipped with a nozzle-spray system, the disinfection robot sanitizes a space with an effective and risk-free disinfectant on random or pre-set schedules, to ensure your facility is constantly virus-free to maintain public health safety.

智能消毒機械人用內置噴霧系統噴灑對人體安全兼且高效的消毒劑，在預設時間或隨時隨地為設施全面消除病毒，保障公眾衛生安全。

Delivery Robot - Porter Guard
送遞機械人

An automated delivery robots equipped with a safe compartment can operate and take over tedious logistics tasks within a building. It can also be used for greeting and guiding guests around the building.

設有安全儲存箱的自主機械人，可自行在建築物內運送物品，取代重複的物流工作，亦可用於接待客戶和引領客戶到建築物的不同地點。

Visitor Management Robot - ConcieGuard
禮賓機械人

This multi-functional robot with facial recognition is a complete visitor management system, combining concierge duties and customer services. Its thermal camera and temperature measurement feature make it useful for servicing at all public entry points.

設有人臉識別技術的多功能機械人，可進行一切禮賓和客戶服務，作為全方位的訪客管理系統。機械人設有溫感攝錄頭及量度體溫的功能，適用於放置在公眾入口服務賓客。

Patrol Robot
巡邏機械人

Patrol Robots equipped with camera, 360-degree HD night vision camera and other features are geared up for 24/7 security patrol and mobile monitoring of indoor and outdoor venues, day or night.

巡邏機械人具備360度高清夜視錄像鏡頭及其他各式裝置，可在室內或室外空間，進行24小時全天候保安巡邏或流動監測任務。

Learn More

了解更多

Securing the Present
Innovating the Future

"

*We deliver innovative solutions, fortified security and
genuine care for the community, with the foresight
to identify evolving needs.*

致力創新　強化保安

> 以前瞻視野洞察不斷演變的社會需要，
> 致力創新，強化保安，用心關懷。

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