

SECURITY Update

CREATING BUSINESS OPPORTUNITIES



For Manufacturers, Distributors, Dealers,
System Integrators & Installers of Security,
Fire & Safety Systems.

Vol. 11 No. 10

www.securityupdate.in

November 2021

Pages 16

Price ₹ 50

The crucial need to integrate physical security and cyber security



Today, very few organizations depend solely on one kind of security measure to secure their organization and cover their assets. Most companies employ security systems that feature physical security protocols as well as cybersecurity protocols. However, to correctly implement physical security measures and cybersecurity measures side by side, you need to understand the role that cybersecurity plays in physical security for businesses.

A basic understanding of the relationship between these elements allows your security measures to seamlessly coexist, while also mitigating any dangers that your business security might face along the way. Let's explore the intricate and essential role that cybersecurity plays in a businesses' physical security:

Cybersecurity Helps Build a Physical Security Framework

Cybersecurity helps modern businesses and commercial spaces build a framework for any physical security measures that they decide to implement. In many ways, the type of cyber-

security measures that a company aspires to implement will dictate which kind of physical security barriers and deterrents should be utilized. Cybersecurity, in and of itself, is usually dictated by the type of services, amenities, and security needs that commercial space requires.

For instance, a company that thrives on the use of IoT operated devices may have a different cybersecurity framework than that of a company who uses a handful of stand-alone surveillance systems. Companies will have to take into account the number of employees and clients they have, and whether or not each individual will be given the same level of access to both physical and cyber facets of the company.

Regardless of the scope of cybersecurity solutions a company has in place, you will have to build a physical security system that is capable of rounding it out and dealing with any vulnerabilities that crop up. This will include the addition of monitoring solutions like surveillance cameras, physical access points that deter access, etc.

Cybersecurity systems have their limitations, which is why physical security should still exist to pick up the slack and further fortify business security. Once a company has successfully identified their security needs, and flaws, they can successfully begin to build a physical security framework that works well in conjunction with their cybersecurity measures.

Cybersecurity Allows for Streamlined Alerts and Incident Response

Most people would be quick to overlook the role that cybersecurity plays in physical security. In many ways, cybersecurity measures help elicit an appropriate physical security response to any threats that might be detected. Although this action might sound simple and straightforward, it leads to expedient incident response. In a commercial setting, responding to a threat quickly can be the difference between jeopardizing your business and continuing to provide your clients with stellar service.

Streamlined alerts and effective incident response are only obtain-

able once your physical security measures and your cybersecurity measures are fully in sync. Most companies make use of physical security measures that range from access control systems to high-security door locks and surveillance systems.

The great thing about these kinds of physical security measures is that they can be integrated to work with one another to increase the scope of security that each individual security solution provides. This even applies to small businesses who might prefer to use

keypad door locks, as a more cost-effective option than access control systems or commercial grade locks.

Businesses can also take advantage of incident response templates that serve to bridge the gap between physical

Contd... page 4

PRAMA
MADE FOR INDIA - MADE BY INDIA - MADE IN INDIA

OPTIMUM PERFORMANCE IN
THE TOUGHEST CONDITIONS

Our robust products assure that
your security is never compromised.

भारत में बना, भारत का अपना सर्वोत्कृष्ट ब्रांड

www.pramaindia.in

Dear Reader

In recent years many of my personal contacts have asked for my advice, if they should go in for installing smart keyless locks on the main door of their apartments and bungalows. My answer to them has been, Yes. The reason for this is simple; as we evolve, the requirements of contemporary lifestyles demand more convenience and security. Both of which, smart locks provide.



The world is becoming keyless, access rights are going digital, and customers want everything to be interoperable and integrated. They want a secure, tailored, always online, and evolving access platform. Keyless door entry locks are gaining in preference of the end users in both the commercial and the domestic markets as they minimise risks and provide for enhanced convenience and security.

Some major types of keyless door entry locking systems are locks with a combined keypad or pinpad. These require office or home occupants to be physically present to input the key code to gain access. Such types may have limited functionality as compared to other more technologically advanced lock systems. Then we have the keyfob and smartcard based locks that offer proximity keyless access and egress to onboard new employees and visitors, granting access with just a simple tap of the fob or card to the lock. While these proximity keyless entry systems are slightly more flexible for administrators and users, fobs and smart cards are still only operational from a close distance. The hassle of replacing lost fobs and cards is also a reality. This system is commonly used by businesses of all sizes because it's fairly easy for administrators to assign and deactivate access and to react quickly when an access fob or smart card is lost or stolen.

And, lastly, we have the so-called Smart Locks. These remote keyless entry systems take advantage of wireless protocols such as Bluetooth, WiFi, or Z-Wave for access control and remote (cloud based) lock management. Smart locks may include motion sensors and will alert you every time someone is standing at your door, when they entered and when they left. Alerts and notifications are managed via an app. Some locks also are integrated with video intercom systems which allow home and small business owners to see and speak with visitors standing at their main entrances from remote locations via their smartphones.

Cloud services based smart locks are basically IoT devices and can be integrated with the voice-based AI-powered digital assistive platforms such as Amazon's Alexa, Google Assistant, Apple HomeKit or Samsung SmartThings. However, one must realise that any internet connected device is likely to be hackable, including smart locks. Therefore, one should try and purchase internet connected smart locks from reputed brands who have a reputation to protect, as they will continuously ensure firmware upgrades and latest cyber security features to keep criminals at bay.

Smart locks and other home security products are among the most popular smart home gadgets for consumers, according to IDC data. This area of consumer electronics business is projected to nearly double from about \$74 million in 2019 to \$1.39 billion by 2023. A recent report from Allied Market Research also predicts significant adoption on a global scale, especially among the working population for whom the safety of aged parents and children remains a major concern.

Till we meet next month, Stay Safe and Keep Others Safe.

G B Singh
Group Editor

gbsingh@1stasset.org
@EditorGB
linkedin.com/in/gbsingh9



SECURITY UPDATE is a focused educational publication on protection technology, products and solutions. It reaches the business community of manufacturers, distributors, dealers, installers, integrators and consultants of security, fire and safety systems. Printed monthly as a lightweight tabloid, it is easily carried and read on the move, reaching the remotest corner of India, even where the internet may not have reached!

General Information

SECURITY UPDATE welcomes manuscripts, news items and photographs, however SECURITY UPDATE is not responsible for loss or damage incurred while in transit or in our possession. SECURITY UPDATE is published monthly on the 28th day of every month. Deadlines are three weeks before this date.

1st ASSET
1st Academy of Security Science Education & Training Pvt. Ltd.
ISO 9001:2008 Certified

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without the prior written consent of the publisher. Opinions expressed in articles or advertisements appearing in SECURITY UPDATE are those of the authors or advertisers and do not necessarily reflect those of the publication, or of its publishers.

Printed, published and edited by G B Singh on behalf of
1st Academy of Security Science Education & Training Pvt. Ltd.

Printed at Ask Advertising Aids Pvt. Ltd.
88 DSIDC Sheds, Okhla Indl. Area Ph-I, New Delhi 110020
Published at "Security House", 24-B, Udyog Vihar-V, Gurugram 122016,
Haryana, INDIA.

info@1stasset.org

HID Global announces that their Crescendo smart card family supports iCLASS credential technology



HID Global, a provider of trusted identity solutions, announces that its HID Crescendo® smart card family now supports HID® iCLASS® credential technology. The cards enable users to seamlessly unlock doors, data and their computers via a single high-assurance authenticator that supports an organisation's zero trust security strategy.

HID Global is a pioneer in seamless, converged physical and cyber workplace access. It has now extended the

benefits of its HID Crescendo cards as an all-in-one solution for physical access and strong authentication to the digital workplace, on-site and remote.

The Crescendo C2300 smart cards enable organisations to issue a corporate ID badge that functions as a universal credential, supporting FIDO, PKI and OATH, as well as providing options for Seos, Prox, MiFARE and iCLASS® for physical access.

Key elements within HID Global's identity and access management multi-factor authentication ecosystem for the workforce, Crescendo cards and USB keys can be managed with the HID WorkforceID™ cloud-based platform when printing badges, issuing PKI certificates and enabling oath-based authentication to IT systems and networks. Adding HID iCLASS 32K credential technology to the HID Crescendo C2300 cards extends user options for a full contactless access experience.

A similar experience is also provided with HID Seos, HID Prox and MiFARE DES-Fire EV1 technologies on dual-interface C2300 cards.

Contactless technology enables users to simply tap their cards to open a door, authenticate to Windows, VPNs and cloud applications, or encrypt and sign data. The HID Crescendo family includes smart cards and universal serial bus (USB) keys that can be used alone or managed by HID's WorkforceID digital credential manager service.

The service supports a wide range of authenticators with the simplicity of centrally managed credentials and digital certificates. It combines consistent access and authentication experience for users with a simplified administrator experience for deploying public key-based two-factor authentication.

Hikvision announces technology partnership with Yeastar for IP-based video intercom integration



Hikvision, an IoT solution provider with video as its core competency, announced a new technology partnership with Yeastar for IP-based video intercom integration. The integration provides a convenient solution for customers in small-to-medium size enterprises (SMEs) to control and manage their intercom systems remotely, as well as communicate with visitors.

For SME customers, when the employees are out of the office, welcoming visitors is nearly impossible. But integrating Hikvision's video

intercom with Yeastar's IP PBX system enables customers to easily and remotely communicate with visitors. Even the receptionist who is not at a work station won't miss company visitors, since the integration provides SMEs with visualized call management, video communications, and anywhere-anytime connectivity – performing across web browsers, mobile devices, and desktop computers.

With the integration, SME customers can:

- See who is at the front door and answer from

anywhere

- Converse easily via IP video phone and even open a door
- Auto-forward calls initiated from the door phone to a mobile number
- Avoid expensive and separate paging servers – the PBX built-in paging system easily broadcasts from the devices customers prefer (IP phone, mobile or PC)

"We are happy to announce this partnership with Yeastar, which will expand the scope

of Hikvision's intercom solution and create more value for our customers. More collaboration across the industry is benefiting the market with greater variety and functionality. Hikvision will persist in openness and work closely with technology partners to build a strong and mutually beneficial ecosystem," says Adler Wu, Global Technology Partner Alliance Manager at Hikvision.

"Hikvision has a proven record of providing high-quality IP-based intercom solutions, and we're pleased to now call them an official Yeastar technology partner. With Yeastar and Hikvision, our mutual customers can take advantage of a market-leading, award-winning business phone system and also benefit from an integrated PBX-Intercom solution that improves productivity, streamlines operations, and cut overheads," adds Prince Cai, Vice President of Yeastar.



PRESENT

TOP INDIAN WOMEN INFLUENCERS IN SECURITY



December 2021

Globally women are playing a key role in the advancement of the profession of security in all sectors, verticals and levels of the industry.

In order to recognise and honour the accomplishments, value and contributions of women in this vital sector of the economy, SECURITY TODAY & SECURITY UPDATE in association with InfosecGirls and WISECRA announce the "Top Indian Women Influencers in Security" recognition for the year 2021.

In 2020, this accolade was developed to help recognise women in security in India who made significant contributions in shaping the industry and shaped the path for future generations of professionals. 20 torch bearers were recognised from 272 nominations received in a virtual ceremony by the nation's 1st, most famous & iconic lady IPS officer, Her Excellency, Dr. Kiran Bedi, the then Hon'ble Lieutenant Governor of Puducherry. Distinguished senior people from different sectors were carefully chosen as 'members of the jury' for this event.

For further announcements please visit our website:

<https://securitytoday.in> & <https://securityupdate.in>

SUPPORTING PARTNERS



Ahmedabad, Bangalore, Chennai, Hyderabad, Mumbai, New Delhi & Pune Chapters



PURE SECURITY PROFESSIONALS



WOMEN IN CYBERSECURITY

Contd... from page 1

The crucial need to integrate physical...



security and cybersecurity. Coupling a robust incident response plan with active physical security solutions that are already in place will make it rather difficult for a company's security to be thwarted.

Cybersecurity Helps Mitigate Physical Risk

In addition to the roles listed above, cybersecurity also helps mitigate the risks that are involved with implementing some physical security measures. As mentioned earlier, cybersecurity has its own limitations, but so does physical security, especially physical security that is employed in the wake of the IoT.

IoT will continue to expand, and the current state of modern physical security only bolsters this notion. Companies that implement a host of security measures, such as the use of smart locks, RFID controlled access points, surveillance cameras, etc. might be leaving themselves more open than protected.

These devices are targets that cybercriminals and hackers love to exploit, and without the presence of a detailed cybersecurity policy, your physical measures will crumble from the inside out.

DDoS attacks can be used to target commercial smart locks,

employee smartphones, and other interconnected devices. These devices can be used by criminals to gain further access to your company because it gives them an easy way to circumvent your physical security.

If a company is unsure about how to identify the flaws in their security plans, they can always reach out to organizations that specialize in vulnerability assessment. This will be the first step to mitigating your risk, and it will give companies a clear outline of just how they can blend their cybersecurity protocols with physical security measures.

Abloy introduces ABLOY CUMULUS, a new platform for keyless access



Abloy Oy announced ABLOY CUMULUS, a platform for keyless access, combining quality hardware products with secure access and management applications. It brings all the solutions together into a single ecosystem with a risk-free, integrated cloud service.

The world is becoming keyless, access rights are going digital, and customers want everything to be integrative. Many property owners and managers are planning to switch to access management that is seamlessly location-independent while securing

all their keyless access points.

CUMULUS ensures secure access in commercial real estate, public spaces, housing, and sites essential for the functioning of society. It offers interfaces for third-party applications and software development.

The CUMULUS range of keyless, online access solutions from mobile keys and padlocks to upcoming electric locks and controllers can thus be administered with any software tool that best suits the customers' needs. By se-

lecting ABLOY OS INCEDO, the organisation can also manage other ABLOY solutions with the same tool, such as electromechanical PRO-TEC2 CLIQ™ and mechanical keys.

CUMULUS is targeted at commercial and professional end-users (PEU). In the first phase, its primary vertical markets are parcel deliveries, finance (cash-in-transit), and construction. Geographically, CUMULUS will first be aimed at select markets in Europe and Southeast Asia. More markets will be added gradually.

Johnson Controls chooses Ava Robotics to power the new Tyco Security Robot



Johnson Controls has chosen Ava Robotics, a globally renowned company in designing and developing intelligent robots for workplace ap-

plications, to improve human productivity, safety and quality of life, by powering its new Tyco Security Robot.

Taking a unified approach to solve existing and emerging challenges within the workplace, including for specific and evolving building and facility security needs, this robot is designed to bring access control, video surveillance and security robotics together for a more comprehensive and efficient solution. In order to better address evolving security and facility monitoring needs, businesses are identifying opportunities to streamline security operations, maximise staffing and automate processes.

The fully autonomous security robot includes sensors, touchscreen and integrates two Tyco Ilustra cameras, to streamline security operations and increase operational

efficiency, creating unprecedented workplace monitoring and security capabilities.

The autonomous security robot provides enhanced deterrence and high-quality evidence for investigations, managing repeatable security tasks and enabling security personnel to focus on high-value activities. This combination of robots with existing reporting practices and historical trend analysis can improve the security posture of organisations by uncovering gaps, driving behavioral change and providing data to drive business decisions.

The Security Robot provides:

- People detection to determine when people are present at unexpected times or locations.
- Incident prevention to limit potentially

harmful incidents and minimise negative or dangerous interactions.

- Monitoring and management for faster reaction to incidents, review incidents remotely, monitor critical equipment and

ensure safety is maintained across operations.

- Comprehensive security coverage, by increasing security patrols and establishing an enhanced physical presence that augments existing moni-

toring.

- Operations beyond traditional security, such as the ability to run routine safety inspections on equipment and critical infrastructure across operations and receive sensor data.



newly launched X-Station 2 fingerprint model diversifies contactless authentication options

to customers who use existing biometric information. They can now enjoy the same level of security

performance while offering users the convenience and peace of mind that mobile access brings.”

MS Tech launches the MULTISCAN GEN3, a revolutionary explosives and narcotics detector with IoT and big-data capabilities



MS Tech Ltd. a global developer, manufacturer, and innovator of nanotechnology, IoT and big-data sensors has announced that its homeland security and defense division, expands its capabilities and launches the MULTISCAN GEN3 – the company's 3rd generation of non-radioactive explosives and narcotics trace detector designed for mobile screening.

MULTISCAN GEN3 takes the detection and identification of trace explosives and narcotics for police, law enforcement, 1st responders, EOD units, aviation and air cargo screening to a new level by providing fast and accurate results in less than 10 seconds. The samples can be taken from people, objects and materials in any location and the optional GPS, IOT, big-data and cloud connectivity capabilities

facilitate easy evidence collection – allowing the operator to immediately report, record and store data when explosives or narcotics are detected.

MULTISCAN GEN3 is the result of more than three years of intensive research and development activities funded by the BIRD Foundation in collaboration with the U.S. Department of Homeland Security, the Israel Ministry of Public Security and in collaboration with TEKWAVE Solutions LLC. from Atlanta, USA.

The U.S. Administration has expressed its concerns over the use of life-threatening substances such as Fentanyl, declaring the opioid epidemic a public health emergency in 2017 and ever since. In fact, that year more than 60,000 people died only in the U.S. because of such syn-

Suprema launches fingerprint model of X-Station 2

Suprema, a global pioneer in biometric security and access control, announced the launch of an upgraded version of its X-Station 2 access control terminal, which supports fingerprint authentication.

In May 2021, Suprema launched four models of X-Station 2, a

next-generation “versatile intelligent terminal” that supports a variety of authentication methods from mobile access cards to RFID cards, QR codes, and barcodes.

The newest X-Station 2 model comes equipped with a fingerprint recognition module that provides more options for

customers.

Suprema CEO Hanchul Kim said, “With COVID-19 increasing the demand for smartphone-based, non-face-to-face solutions, we received good reviews following the original launch of our X-Station 2 mobile access authentication terminal.” “The

Marks USA releases new Lectra electrified locks



Marks USA, a division of NAPCO Security Technologies, renowned for its architectural-grade hardware, locking and access lock lines, is excited to announce the debut of its new labour-saving Lectra electrified locks.

Lectra locks are ideal for stairwell doors, man-traps, hospitals and receptionist buzz in applications. They are available in both, mortise and cylindrical solenoid-operated locks, in 12 or 24 VDC.

Durable, Grade 1 Lectra locks feature easy and clean installation, save time and labour over electric strikes, concealed latches for greater security, fail-safe & fail-secure models, and Lectra mortise models offer various modes of operation and lock information, such as Request to Exit (REX) and key override switch &/or latch bolt sensor.

Lectra locks are ADA-compliant, meet ANSI/BHMA 156.2 and are UL listed for a 3-hour fire rating. With products that meet or exceed top BHMA Grade 1 standards for durability, by as much as 400%, Marks' products are known for longevity and are uniquely backed by the Marks exclusive lifetime mechanical warranty.

Viking Electronics announce the launch of touch-free option for its popular VoIP SIP entry phone, E-30TF-IP



Viking Electronics has announced that the company's popular VoIP SIP entry phone, ideal for gates, office suites and delivery doors, now has a touch-free option. The E-30TF-IP entry phone replaces the standard push button with a motion sensor, in order to reduce the transmission of germs, bacteria, and viruses, which can happen from the shared

use of a physical button.

When the motion sensor is activated, the built-in 5-number auto dialer calls through all programmed numbers, until the call is answered or a lap counter expires. A programmable on-board relay can perform various actions, such as activating a door strike, camera and strobe light, etc.

Viking Electronics' E-30TF-IP entry phone is designed to flush mount, using an included back box or the unit can be surface mounted to a wall or pedestal, using a VE-5X5 surface mount box, which is sold

separately.

Users can easily connect to the E-30TF-IP entry phone, using an RJ-45 connection and CAT-5e cable. The E-30TF-IP VoIP SIP entry phone is PoE powered and is programmed with downloadable PC software, which is available from the Viking Electronics' website.

Users can install the software locally or assign the E-30TF-IP entry phone a static IP address and programme it remotely from any PC. For outdoor applications, the E-30TF-IP-EWP features enhanced weather protection and is designed to meet IP66 Ingress Protection Rating.

ATG Access has expanded its physical security portfolio with the launch of the Vulcan Long-Span Gate, the industry's first manual swing gate with a 12-metre clear opening to be successfully impact-tested to withstand impact from a 7,200kg vehicle travelling at 80kph.

The gate, which has been impacted tested to the IWA 14-1 standard, is effortless in operation, making it ideal for securing large width entrances into critical national infrastructure or busy crowded spaces.

The Vulcan Long-Span gate is manufac-

tured in aluminium, ensuring it is lightweight, while high-tech synthetic fibres provide its impressive stopping power.

Elegant in design, it is locked with a simple pin mechanism, and supplied as standard with a gate latch post to lock the product into the ‘open’ position as needed, always ensuring safety in operation.

The steel posts are hot-dip galvanised as standard to BS EN ISO 1461 and are secured within removable sockets facilitating easy removal of the gate should this be required. Installation may be permanent,

or the gate and posts may be placed in storage and deployed when necessary, providing flexibility for venues.

A variety of finishes are available, and the gate arm may also be fitted with signage or advertising panels, providing potential additional revenue streams for event organisers as an added benefit. Iain continued, “The Vulcan Long-Span Gate is an industry first, and will help to bolster the safety and security of critical national infrastructure and busy public spaces around the world, which is crucial at a time of ongoing global instability.”

Eaton launches a range of GRP cameras for use in hazardous area communications



Power management company Eaton announces the launch of a pioneering range of GRP cameras for use in hazardous area communications. Corrosion-free and much lighter in weight than their metal counterparts, the new GRP cameras offer end-users significant improvements in lifetime performance, as well as reduced transportation, operating and maintenance costs.

GRP stands for Glass Reinforced Plastic. It is also called fibreglass, composite plastic or FRP. It is strong, ex-

tremely light and highly versatile.

Eaton GRP cameras are ideally suited to remote monitoring of process and security activities in harsh environmental conditions or explosive atmospheres. Their Ex rating, light weight and durability make Eaton GRP cameras an excellent choice for offshore and onshore hazardous area installations, pipelines and processing plants: typically within the oil & gas, chemical and waste treatment industries.

The cameras are also ideal in grain handling

and marine environments such as sea ports, specialist ships and wind farms. The new GRP camera station range will include three designs – fixed (XFG), dome (XDG) and next-generation PTZ (pan/tilt/zoom) cameras. The XFG is first to market and is certified IP66, IP67, NEMA 4x & 6: making it suitable for outdoor, corrosive, and indoor applications in Zone 1, 2, 21, 22, Class I Div 2 (Gas Groups A-D) and Class II Div 2 (Dust Groups F & G).

Axis launches 13MP multi-sensor camera



Axis has launched a 13MP multisensor, panoramic camera for complete coverage designed to maximise image usability. The Axis P3818-PVE, a 13 MP multisensor camera offers seamless 180° panoramic coverage and ultra-high resolution images and boasts incredible details up to 30 fps. With seamless stitching across all 3 images, it delivers a coherent-looking image in one single video stream for an effective overview without any stitch in the centre.

This multisensor camera features smart pairing with edge-to-edge technology. For instance, according to Axis, it is possible to add support for audio enabling you to listen in to transactions or incidents. Additionally, it features built-in cyber security features such as Axis Edge Vault to protect the Axis device ID and simplify authorization of Axis devices on the network.

Key features include a 13 MP multisensor camera with one IP address, 180° horizontal,

90° vertical coverage, seamlessly stitched images, support for audio input, and built-in cyber security features. This cost-effective product provides the benefits of three cameras for the price of one. This means fewer cameras are needed to cover large areas.

Furthermore, it offers a wide variety of mounting options – recessed, flush, pendant, or even back-to-back. And, with four preset, adjustable positions it ensures quick and easy mounting on walls, ceiling, or in a corridor.

Tyco Illustra Pro Gen4 Edge-AI mini-domes from Johnson Controls



Johnson Controls has announced the launch of Tyco Illustra Pro Gen4 2MP, 4MP and 8MP Edge-AI mini-domes. These latest mini-domes are part of an ever-increasing portfolio of IP cameras that focus on delivering AI classifications, customizable rules and accurate event notification at the edge, while still maintaining the core attributes of ease of installation and enhanced cyber security.

This new line of cameras provides commercial and light commercial organizations with the capability to respond to incidents faster than ever before as AI enhances the speed and accuracy of forensic searches. This is achieved by embedding object classification capabilities directly on security cameras. Events can be narrowed to classes such as a person, car, bus, motorcycle or bicycle. Settings can be adjusted on each camera with a variety of analytic rules that notify secu-

urity or business owners when people or objects are detected – for example if someone crosses a perimeter or is lingering around a restricted area. This functionality automates manual surveillance processes and enables organizations to use video surveillance as an increasingly preventive tool – literally stopping incidents before they happen.

With an integrated recess mount, QR code and Illustra mobile app configuration and application profiles that automatically adjust the camera's settings based on the chosen profile, Illustra Pro Gen4 cameras are designed to be simple to use and easy to install.

Smart features such as smart wide dynamic range automatically scans the video scene and adjusts contrasting and overall scene balance without operator intervention or maintenance and the new smart defog feature allows for accu-

rate surveillance to continue even in challenging weather conditions. True day/night camera functionality and built-in IR Illumination ensures that clear, sharp images of objects can be captured at a distance of up to 50 metres, regardless of the lighting conditions. Additionally, a range of input/output (IO) options, including micro HDMI and an integrated microphone, make these cameras highly flexible and powerful.

These latest models also offer end-to-end video encryption, from camera to VMS, and edge SD Card encryption. Illustra Pro Gen4 cameras are designed so they will not start if the software has been tampered with in any way. Additional safeguard controls include an enhanced security mode which forces the use of complex, non-default passwords and encrypted communications.

3xLOGIC introduces ANPR utility as a part of their pioneering VIGIL suite of products

3xLOGIC, the provider of integrated and intelligent security solutions, announces the introduction of an automatic number plate recognition (ANPR) utility as part of its pioneering VIGIL suite of products. Designed as a cost-effective solution for use in a wide range of applications where post-event investigations require precise imaging to identify number plates, the ANPR utility is highly effective in environments such as parking lots and

garages, as well as fuel stations, multi-tenant residential communities, car dealerships and rental yards.

Number plate capture accuracy in low-light environments has traditionally been problematic and has often meant that vehicles used for criminal purposes have gone unidentified. With a 6-50mm varifocal lens and firmware dedicated to number plate imaging, the VX-5M20-B-RIAL camera from 3xLOGIC features

visible light filtering that offers enhanced number plate capture accuracy, as well as motion detection and remote focus. Easy to install, its IK10-rated enclosure is vandal-resistant and delivers protection from the elements. Combined with the VIGIL ANPR utility, the solution provides a highly effective layer of protection.

Both the VIGIL ANPR utility and VX-5M20-B-RIAL camera can be seamlessly integrated into the VIGIL



video management system (VMS). Designed for those who want all the power of integrated video and access control, without the stress of a complex set-up, VIGIL's enterprise-grade VMS is

the driving force behind the VIGIL range of network video recorders, digital video recorders and power over Ethernet cameras.

It allows users to quickly search and locate

number plates of interest, export number plate data to a custom external destination for review, and collate information from several cameras across multiple VIGIL Servers.

Geutebrück enables smartphone to become security camera



Video security specialist, Geutebrück is offering a new solution that integrates smartphones as image sources into professional video management systems. The new offering presents users with flexible visual documentation of logistics processes, live images in the control room of critical situations, detailed reporting of damages – all made possible simply with a smartphone.

The new app for Android smartphones sends the video streams recorded with the integrated camera live via Wifi or LTE network to a G-Core video management system – optionally including audio. For logistics applications, it automatically recognises bar, QR or other scan codes in the image and combines the scan data with the video footage. The app also allows the triggering of events and adding of comments, which can then be used

as a search criterion.

Damage to property, e.g. due to vandalism, is thus documented quickly and comprehensively. In the case of an acute emergency, an alarm can be triggered to be displayed live in a central monitoring station including the associated smartphone video (and audio) stream.

Search, display and image retrieval are just as fast and convenient as with permanently installed cameras. All relevant images are immediately and clearly displayed via the event data such as comments or scan codes. Using the tamper-proof and court-certified GBF format, the sequences can be securely exported with the associated metadata to document the incident in the long term and preserve evidence. Existing systems can be flexibly expanded, smartphones and standard security cameras

can be combined as required.

Special attention is paid to data protection and data security. The app functions exclusively as an image and data source and does not provide access to recorded images. Registering the smartphones used on the server ensures that only authorised devices function as image sources. Additionally, the app manages its own users – only they can operate the app to initiate video and data recording. All data is protected in the video management system in a GDPR-compliant manner and stored securely from unauthorised access, even if a registered smartphone is lost. With the help of the activatable pixelation of faces directly on the smartphone, the privacy of randomly filmed persons is protected.

NOW CONTROL YOUR SECURITY FROM WHEREVER YOU ARE

Addressable Intrusion Alarms with Easy BUS (Single Cable) Wiring



- Emergency alarm alerts to the user & authorities
- 24/7 burglary, fire, flood, & CO protection
- Notifications with 3 layers of backup via integrated GSM/GPRS/LAN
- SMS & voice reports from the system to up to 15 users
- Panic & duress modes
- Integrate with CCTV cameras
- Programmable outputs for lights & other automation
- 20 independent calendars to schedule automatic events
- Remote control the system via web/mobile app/call/sms
- Detailed reports pinpointing the individual device
- Door lock control with RFID card
- User friendly keypads with control segments

APPLICATIONS:
HOMES, OFFICES,
BANKS, FACTORIES,
BOARD ROOMS,
LABS, R&D CENTRES,
SHOPS...



Email us today for more information: info@kawach.com

Mobile Bridge Configurator simplifies management & troubleshooting



Eagle Eye Networks has released a Mobile Bridge Configurator, a new feature of the Eagle Eye Cloud VMS App, designed to make the configuration and troubleshooting of cloud video surveillance systems even easier and faster than before for resellers.

Traditional video security systems require lots of onsite hardware, are often complicated installations, and can require constant software maintenance and management. Eagle Eye Net-

works was created to help make video security easier for everyone.

Unlike many cumbersome traditional systems, an Eagle Eye Networks video surveillance system offers enterprise-grade performance that's easy to deploy and remotely manage, and seamlessly integrates with third-party systems. The only hardware needed is the Eagle Eye Bridge, a small onsite device that implements cyber security measures both on-premises and in the cloud transmission to

ensure video is secure and encrypted with the highest reliability.

With the new Mobile Bridge Configurator, resellers can set a static IP address of a bridge using a USB cable and a mobile phone or tablet. There is no need for resellers to bring a keyboard and monitor to the jobsite. In addition, the new Mobile Bridge Configurator facilitates troubleshooting and diagnostics, and it automates the log-sharing process. It is available in iOS or Android.

Hikvision provides smart video solutions to maximise security for customers' cars at the Barka Grand Centre mall



Retail mall Barka Grand Centre in Oman in the Middle East is maximising security for customers' cars and optimising the visitor experience with Hikvision smart video solutions. As well as providing traditional security monitoring capabilities, the Hikvision solution makes it fast and easy to find available spaces, and helps customers locate their cars in the large parking lot.

The system also displays the fastest walking route to customers' cars, helping them minimise their exposure to Oman's high daytime temperatures. For retailers, managing and securing the parking lots is critical for protecting visitors' property. However, monitoring and securing parking areas 24/7 can be a major challenge – especially for large retail destinations with expansive parking areas, and thousands of individual parking spaces.

These were some of the challenges facing Barka Grand Centre, which covers an area of 40,000 square meters. Humanshu Mahopatra, Managing Director, Barka Grand Centre, says, "To provide the best services, we need to protect customers' cars, but it doesn't end there. We also need to ensure they can find available parking spaces quickly, and return to their cars quickly and easily when they finish shopping."

To help Barka Grand Centre maximise parking security and optimise customer experiences, the

mall has deployed a smart parking solution from Hikvision. This incorporates high-resolution cameras that detect suspicious activity and potential security breaches across the entire parking lot, minimising the risk of vehicle theft and protecting customers' cars at all times.

In addition to security monitoring, Hikvision cameras detect where parking spaces are available and send the information to displays located at main parking lot intersections. "The Hikvision solution allows mall visitors to quickly see where there is space to park and where accessible spaces and VIP spaces are available," says Mr. Mahopatra. "This saves them time and improves their satisfaction when visiting us."

To find their car, or to calculate the quickest route to their car, customers can enter the first digits of their licence plate on kiosk touchscreens. The Hikvision solution then locates their vehicle and calculates the shortest route back to it, reducing the time they spend walking in the hot sun. The smart Hikvision cameras, which cover from 2 to 6 parking spaces each, are connected to parking guidance terminals.

These provide power and network access for up to 32 cameras, along with edge storage for video footage and images for review by the security team. All data is backed up locally and stored offline to ensure optimal system reliability.

ity. The Hikvision solution provides a range of business benefits for the Barka Grand Centre mall, above and beyond parking security.

"As well as protecting customers' cars, the Hikvision solution helps us to optimise our customers' shopping experiences, which is a major factor in achieving repeat business and growing our business sustainably," says Mr. Mahopatra. "Customer convenience is a major feature, from the ability to find a parking space quickly and easily, to smart vehicle location to ensure customers never lose their cars in our large parking area," says Mr. Mahopatra.

The ability to minimise customers' exposure to Oman's high daytime temperatures is also a major benefit of the Hikvision solution. "We can now help customers plot the fastest route back to their car, minimising the time they spend walking in the hot sun," says Mr. Mahopatra. The solution is helping to cement the mall's reputation for excellent customer care and supporting the location's ambitious expansion plans.

"The popularity of our mall is a combination of the top-flight retail brands we offer and the high quality of our facilities and services," says Mr. Mahopatra. "The Hikvision solution is also driving our success by improving our customer experiences in a real and significant way."

Everbridge Control Center deployed by G4S to accelerate Abu Dhabi Global Market Square's physical security digital transformation

The Abu Dhabi Global Market Square (ADGMS), located on

Al Maryah Island, in the United Arab Emirates capital, Abu Dhabi, is

a high-profile, architecturally compelling business and hospitality hub.



Many of the most globally prestigious companies inhabit the buildings, in the award-winning financial centre.

ADGMS also hosts frequent international dignitaries and large-scale public events, including the Abu Dhabi national New Year's fireworks display. Abu Dhabi Global Market Square was the first project in the UAE, to achieve LEED Core and Shell (LEED-CS) Gold pre-certification, by the US Green Building Council (USGBC).

The Abu Dhabi Global Market Square (ADGMS) consists of: 450,000 sq. m of office space, a lavish retail section and luxury business hotel offerings, 4 Grade-A commercial office towers with 30 floors each, 4 km waterfront promenade, over 2,000 cameras, and over 1,000 doors.

Because of its iconic status, the Abu Dhabi Global Market Square faces many unique challenges to security, including:

- Political pressure - Because of ADGMS's status and frequent high-profile international visitors, any disruption to operations - be it natural disaster, activism, terror or other critical events, could cause issues on a national scale.
- Protection for VIPs - Regular visits from prestigious VIPs, such as sheikhs, the royal family, and global business leaders, elevates security risks and the need for executive protection.
- Unobtrusive security - ADGMS is a public space with tenanted offices, meaning that security must be robust, but unobtrusive and follow all global data, and privacy regulations.
- Physical location - Being situated on an island is an extra security risk, complicating the ability to enter and exit the space, during

planned and unplanned critical events or emergencies.

- Architecture - The buildings in ADGMS are mostly glass, with many levels, making it difficult to secure.

Previously, a number of systems were deployed to help with security and life safety, such as CCTV, access control, fire detection, and building management. However, these were not connected and left gaps in situational awareness, which ADGMS found unacceptable. In light of the above challenges, ADGMS building managers felt it essential to harden security, across the market square, within these buildings and in connecting areas.

Abu Dhabi Global Market Square approached PTS Middle East (PTS Consulting Group Ltd.), a multinational security and digital transformation consultancy, which carried out the threat, risk and vulnerability assessment, designed the mitigation measures, and provided oversight of the installation and commissioning of the entire system.

They were also tasked with ensuring that the system met the operational requirements and was fit for purpose, and proportional to the risks faced by ADGMS. Martin Grigg, Principal Consultant and Project Lead for PTS Middle East was selected to design and oversee the project, right from concept to completion.

Following the assessment, G4S, a British multinational risk consultancy company, headquartered in the United Kingdom, was selected to deliver the project, based on its experience in helping secure many of the region's most prestigious locations. G4S is also a global partner with Everbridge, and together, they have secured people, assets and infrastructure for numerous organisations.

G4S selected Ever-

bridge Control Center to integrate and manage all the technology, which is coming into their Security Command Centre (SCC). Everbridge Risk Center was also deployed to provide real-time threat intelligence to ADGMS.

Critical issues solved by Everbridge technology:

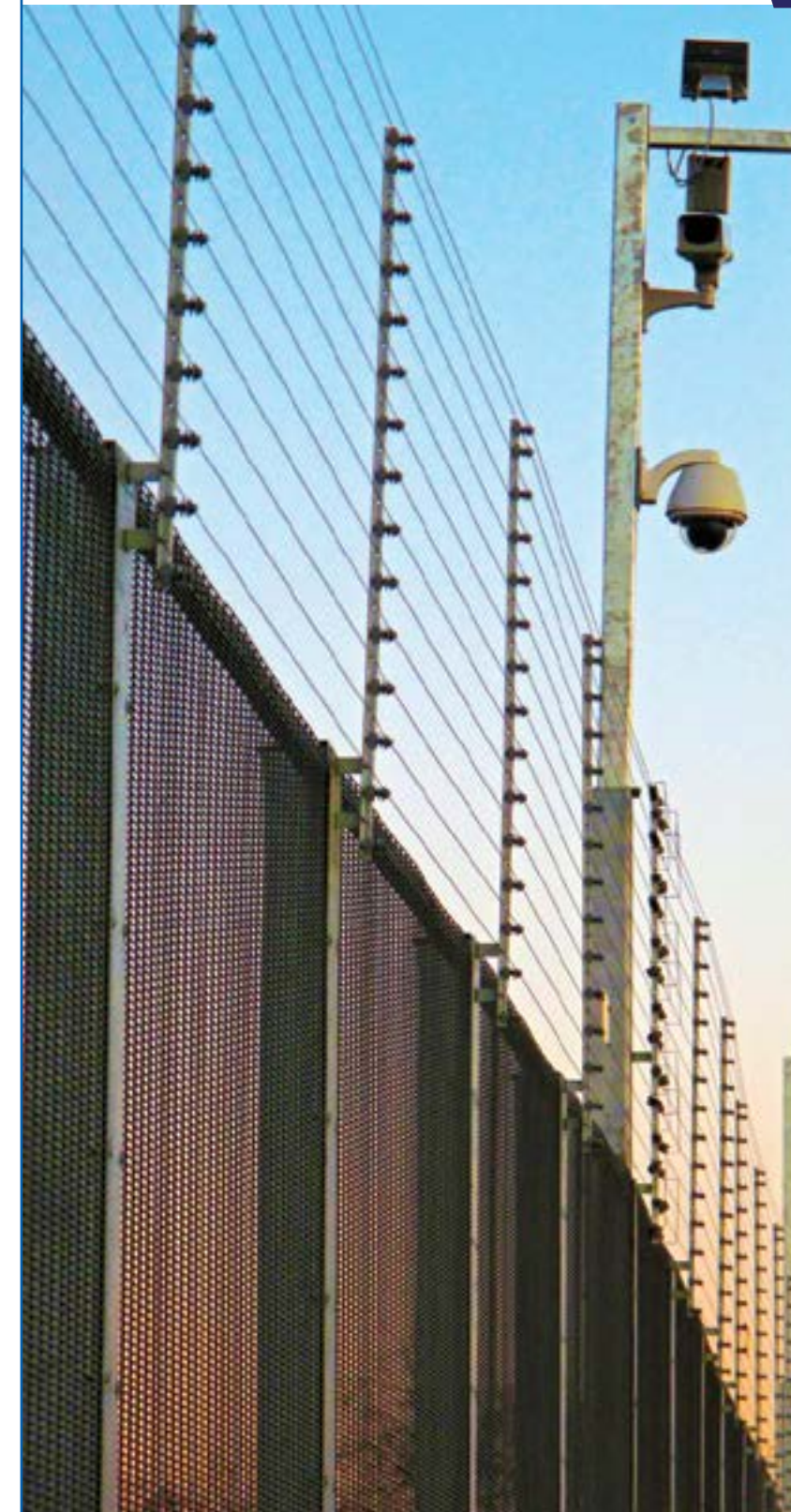
- Consolidation of four control rooms into one, reducing the office space needed for security - This premium space is now free and able to be repurposed as rentable office space,
- Reduction of man guarding costs, as fewer resources are needed to secure the facility,
- Real-time situational awareness allows for reduced risk, accelerated response times and keeps stakeholders informed,
- Everbridge Control Center provides event driven, unified interface and automated SOP presentation,
- Everbridge technology provides flexibility to adapt, as requirements change,
- Reduction in time taken to identify a security incident and resolve it,
- Intelligence from the facial recognition systems is proactively used to welcome friends and identify known criminals,
- Risk intelligence to identify events, such as sandstorms, allows ADGMS to act faster, enabling them to reduce the risk to people and operations, and
- Automated reporting capabilities save huge amounts of time and resources - A report that took 20 minutes can now be automated in seconds.

YOUR SECURITY BEGINS WITH YOUR PERIMETER



DETER, DETECT & DELAY INTRUDERS.
BEING FOREWARNED IS BEING FOREARMED!

ECONOMICAL. RELIABLE. EFFECTIVE.



- They provide a higher level of detection capability to detect an intrusion attempt and set off the alarm which is then transmitted to the security personnel, police or the CMS.
- They are installed easily on existing walls or fences, or as a free standing secure energy perimeter fence, forming your first line of defence.
- The wires of a free standing secure energy fence serve as a barrier, alleviating the need to erect another conventional fence or wall, reducing cost.
- Safe, complies with International IEC Standard 60335-2-76
- Fences can be remote controlled and integrated with other systems such as, Perimeter Lighting, CCTV, and Alarm Systems.
- They reduce cost of security personnel.
- They last for years and have low maintenance cost.

APPLICATIONS:
BUNGALOWS, FARM HOUSES CAMPUSES,
PRISONS, GOVERNMENT & MILITARY SITES,
CRITICAL INFRASTRUCTURE FACILITIES...



Email us today
for more information:
info@kawach.com

Technology on Guard

AIoT video solutions support Rawai Municipality to keep tourists and residents safe year-round



Home to dozens of pristine beaches, glittering seas, and vibrant towns, Phuket, located in Southern Thailand, is a unique city to explore and experience authentic Thai culture, cuisine, and fantastic attractions. Quietly sitting at the west end of Rawai Beach in Phuket is the Rawai Municipality Office, which oversees city surveillance projects to keep visitors, residents, and property secure and safe within the area.

Keeping tourists and residents safe on streets and in and around the water is a prime concern for Rawai municipality. With an increased focus on improving overall safety and surveillance in the region, the Rawai municipality needed to expand beyond monitoring and managing vehicle traffic. The city also needed to anticipate unexpected incidents on roadways and waterways, monitor and count people walking in and around shops, strolling along the beach, and crossing streets.

On top of this, the Thailand government aims to transform the kingdom into a high-income nation with vastly improved quality of life in urban centers like Rawai. In line with the government's 4.0 initiative on smart cities, Rawai is working towards smart city development by investing in infrastructure, designing an open and secure city data platform, providing smart city solutions, and establishing a sustainable management model. The video solution needed to scale with this smart city initiative.

Rawai Municipality was already using Bosch cameras throughout the

city to monitor suspicious activity, forestall crime, and support the lifeguards who play a crucial role in helping safeguard beaches. It was important to city officials to leverage their investment with Bosch by adding compatible software for visualizing data, monitoring crowd density, and supporting safe social distancing.

To assist Rawai municipality, Bosch and Brilliant Tech Co., Ltd. recommended Intelligent Insights. This AIoT software solution aggregates and visualizes metadata from one or multiple Bosch cameras with built-in AI and pulls it into a single dashboard with intuitive widgets to support informed decision-making.

Rawai beach is a popular gathering site to watch the sunset, and Bosch cameras monitor access into and out of Promthep Cape, the southernmost point in the area. Using Intelligent Insights' people counting widget to count tourists who enter and exit the area and then display this number on a dashboard at the control center allows operators to see what's happening immediately. Intelligent Insights makes use of built-in AI from connected cameras to interpret video images and collect camera metadata.

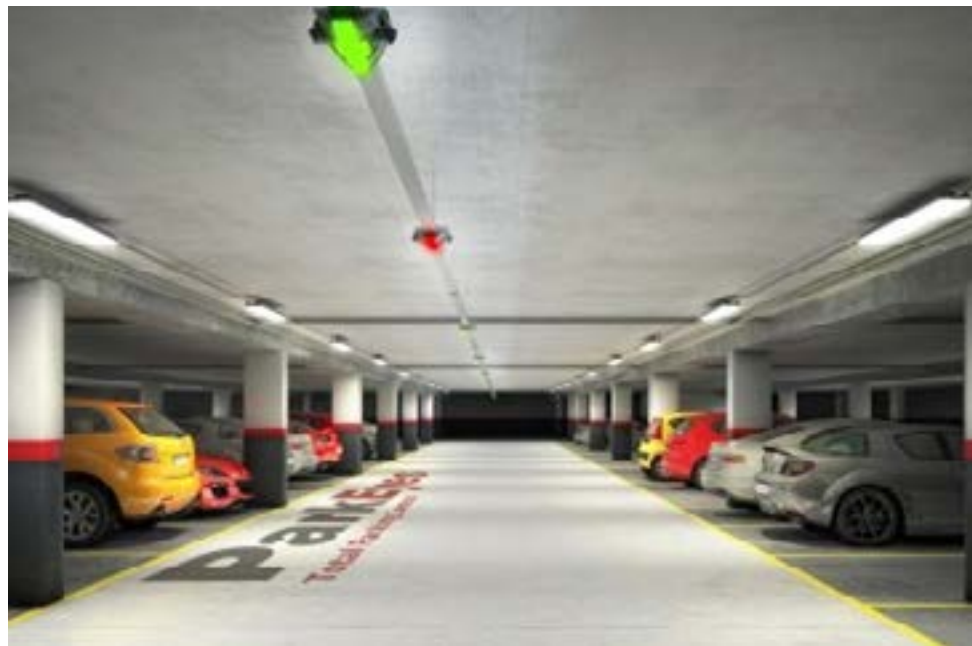
This information is gathered, aggregated, and displayed using a series of predefined widgets to visualize the data in real-time. A sudden or increased flow of people could indicate a serious situation. Operators can make informed decisions, react faster and more efficiently,

and improve overall security and safety based on the data. Intelligent Insights uses only anonymous data from cameras, ensuring individual privacy is protected at all times.

Intelligent Insights' object counting widget is used to accurately count the number of moving cars and motorcycles along the beach and display the data on the dashboard. This information is beneficial for operators to identify peak and low times on specific days or over a longer duration for future planning efforts. The license plate cameras and counting cameras are installed on Phuket's main road, Wiset Road. They are placed in three locations that link to other sub-districts in order to monitor traffic and municipal surveillance.

During busy times, parking can be problematic. With Intelligent Insights' occupancy counting widget, users can easily specify capacity limits within an area by setting the maximum number of vehicles that are allowed in a parking zone at a given time. Once the pre-defined capacity is reached, users are informed instantly. Alerts or public announcements can be activated using a camera relay. By using a camera's built-in machine learning (Camera Trainer), the occupancy counting widget can also be tailored to count unoccupied parking spaces and advise when and where spaces might be available, helping enforce beach zoning rules.

TKH Security to deliver an unparalleled parking experience at Abbott Northwestern Hospital



TKH Security (formerly Park Assist) has been awarded the Parking Guidance System (PGS) contract for Abbott Northwestern Hospital in Minneapolis, MN. Abbott Northwestern Hospital, part of the Allina Health network, is the largest private hospital in the Twin Cities and is recognized nationally and locally for its exceptional expertise and care.

As part of the Abbott Northwestern Hospital Campus Revitalization Program, Allina Health is building a new transportation hub and adding two additional parking levels to its existing facility, totaling 2,742 parking spaces. Intending to maximize its parking assets on campus, enhance security, and improve the customer experience, Allina Health has elected to implement TKH Security's camera-based M4 System.

Allina Health originally considered installing a level-count system. However, after learning about TKH Security's parking guidance technology and how its intelligent infrastructure and unique integrations could enhance the hospital's overall operation, Allina Health chose to deploy the M4 single-space PGS. In addition to the smart-sensors, Abbott Northwestern Hospital's installation will include TKH Security's LCD-NAV and VMS-NAV wayfinding signage and several exclusive software modules: Park Surveillance™, Park Alerts™, and Park Finder™.

TKH Security's pro-

prietary M4 PGS and digital wayfinding signage offer each patient, visitor, and employee unparalleled guidance from garage entry to exit. The entryway LCD-NAV sign provides advanced, customizable, real-time data as drivers arrive at the facility, immediately directing them to levels that have available parking.

The in-aisle, state-of-the-art VMS-NAV signs display a vast array of continuously updated occupancy data, empowering visitors to make informed on-the-spot decisions. The VMS-NAV offers operators a flexible navigation solution that can broadcast an expansive set of dynamic digital messages beyond simple counts with split-screen, scrolling, and toggling capabilities.

As wayfinding signage guides drivers on their journey, TKH Security's M4 smart-sensors enhance the guidance experience by indicating which specific spaces are available or occupied using color-coded red (occupied) and green (available) LED lights, helping to remove stress and uncertainty from the parking experience while increasing garage efficiency.

The Park Alerts and Park Surveillance integrations help increase control, security, and safety in the garage. Allina Health was particularly interested in how TKH Security's surveillance technology could enrich the facility's existing camera installation. Park Surveillance enables the M4 sensors

to capture streaming video of any activity in or around parking bays.

With unobstructed views of each parking bay and the space between vehicles, this serves as a reliable and proven deterrent of theft and other criminal behaviors. In addition, the Park Alerts software extension further enhances garage control, empowering parking management to set automated time and license plate-based rules and alerts. These alerts enable operations staff to enforce policies and remain informed about parking abuse/violations within the garage.

As patients, visitors, and staff return to the garage, the Find Your Car™ vehicle locator enables them to quickly and easily pinpoint their car. By entering all or part of their license plate number into the Park Finder system, guests are guided to the exact space where their car is parked, increasing customer satisfaction and decreasing the time spent exiting the facility.

"This exciting project reflects the importance of a camera-based PGS on a healthcare operation that depends on providing an elevated customer experience while maximizing the features to enhance the parking and security operation." Said Jeff Sparrow, Regional Account Manager.

The revolutionary FireMaster cleanroom fire curtain



The FireMaster Cleanroom fire curtain from coopers fire is the world's first active fire curtain certified as suitable for all types of cleanroom environments. Working with global cleanroom designers nPro, Coopers Fire has developed the FireMaster Cleanroom. The FireMaster Cleanroom fire curtain offers two hours of fire resistance and allows designers of cleanrooms the flexibility to help create open plan environments already afforded to more traditional manufacturing facilities.

Cleanroom environments are needed in a variety of industries such as pharmaceutical, microelectronics, aerospace, food, medical and telecoms. To prevent contamination during the manufacturing process, cleanrooms place stringent controls on the level of environmental pollutants such as dust, airborne microbes, aerosol particles, and chemical vapours. This is usually specified by the number of particles per cubic metre at a specified particle size.

For use in cleanrooms all materials must be non-shedding and non-absorbent. Ledges, cracks, crevices and inaccessible places which

gather dust and are difficult to clean must be minimised as far as practical. All exposed surfaces must be compatible with and easily cleaned with common cleaning and disinfectant chemicals routinely used in hospitals and biological research facilities.

FireMaster Cleanroom fire curtains can be used to replace fire rated walls and doors maintaining compartmentation thus allowing for open plan designs and to protect non-fire rated walls and glazing and openings in walls. As such they can be used to protect escape routes providing time for people to escape. They can also offer property, equipment and external boundary protection.

The FireMaster Cleanroom has been fire tested as part of Exova Warrington's CERTI-FIRE scheme. Additional tests for cleanroom suitability were also carried out in Germany at the Fraunhofer Institute for Manufacturing Engineering and Automation.

The Fraunhofer TESTED DEVICE® is an internationally-recognized certification mark for products that have been objectively qualified in accordance with recognised stan-

dards and guidelines with regard to their cleanroom compatibility.

The product features a curtain that does not release particles in operation and features side guides that can be manually opened and closed for cleaning. Manufactured from materials resistant to harsh cleanroom cleaning chemicals, it can be fully deep cleaned whilst in situ in accordance with ISO 2812 (Paints and varnishes – Determination of resistance to liquids).

The FireMaster Cleanroom is certified as suitable for use in cleanrooms fulfilling the specifications of Air Cleanliness Class 6 according to ISO 14644-1. It has a Class C rating under the pharmaceutical industry's Good Manufacturing Practice (GMP) standards; and is rated at 1,000 under US Federal standard 209E.

The chemical resistance of the curtain and headbox and side guides is tested according to ISO 4628-1. It is fire tested to BS EN 13501-2:2007+A1:2009 to provide an Integrity rating of E120 and EW120 for radiation.

Johnson Controls releases two new Tyco early-suppression ESFR Rapid Install Sprinklers

Johnson Controls is releasing two new Tyco early-suppression, fast-response (ESFR) Rapid Install Sprinklers (RIS) for protection of warehouse and storage facilities.

The Model ESFR-

22 and Model ESFR-25 pendent sprinklers, and their accompanying custom welded outlet fitting, simplify installation for fire protection contractors by featuring pre-installed rubber gaskets and a thread connec-

tion that can be installed by hand with no need for tools, tape or sealant.

The ESFR-22 RIS (22.4 K-factor) and ESFR-25 RIS (25.2 K-factor) both provide warehouse design flexibility by eliminat-



ing the use of in-rack sprinklers when protecting high-piled storage. The ESFR-22 RIS and ESFR-25 RIS are cULus Listed and FM Approved for specific applications with a maximum storage height of 43-feet (13.1 m) and a maximum ceiling height of 48-feet (14.6 m) without the requirement for in-rack sprinklers. Both sprinklers permit the use of a maximum deflector-to-ceiling distance of 18-inches (460 mm), compared to 14-inches (356 mm) distance for ESFR sprinklers with

K-factors of 14.0 and 16.8.

Tyco ESFR Rapid Install Sprinklers are ideal for ceiling-only sprinkler protection of warehouses and storage facilities containing cartooned and unexpanded plastics (in accordance with NFPA 13 and FM Global standards), and some storage arrangements of rubber tires, roll paper, flammable liquids, aerosols, and automotive components.

5 likely causes of office fires – and how to prevent them

Employees should feel safe at work in every way. Office fires can not only endanger lives but also business assets and livelihoods. That's why it's important to understand the most common causes of office fires and how to prevent them from happening.

1) Lacks of staff awareness or training for office fires

It's all very well having the right fire safety equipment and procedures in place – but little use if your staff lacks awareness, training and education of how to respond to office fires. This absence of education can also increase the chance of human error or mistakes, potentially resulting in a fire emergency.

To prevent this:

- Ensure you have the right number of fire marshals/wardens trained up to correspond to your size of business and its risk factor. Wardens are a legal requirement for every workplace and it's their duty to minimise the risk of fire and to play a vital role in emergency situations. Be sure to have suitable numbers to cover key areas of the building and think about holidays and sickness which will inevitably impact on their availability.
- You should communicate fire safety procedures and information to the wider employee base too, making sure they are aware of any revisions or changes. This

can be done through company-wide training, signs or written guidelines.

- Training and communication can reduce the likelihood of human errors occurring through negligence or lack of awareness.

2) Absence of correct or working equipment

Smoke detectors, fire doors, signage, fire extinguishers and fire blankets are just some of the fire safety equipment which can hugely benefit a business in a fire emergency. Absence of correct or working equipment will be bad news in a real fire situation.

- Make sure you have the right equipment in the right places to suit your office

- It's not enough to have this equipment though – it also needs to be in good working shape and regularly maintained by a competent professional

- As well as hiring the services of a professional for maintenance, it's also wise to regularly test your fire alarms yourself to catch problems early

- Also, do you have the right type of equipment to suit your office space? Different types of fires require different types of extinguishers – for example, you should never put out a flammable liquid fire with water. To establish exactly the right equipment that your business will require, simply get a professional fire safe-

ty company to assess your office with a fire risk assessment and make recommendations on which pieces to use and where to put them

3) Clutter and disorganisation

A cluttered or disorganised office can lead to an accumulation of flammable material which will increase the fire load – not only does this pose a greater fire risk, this clutter could also obstruct emergency exits and even make the escape routes difficult to travel along if there are burning materials along the way. Lack of organisation can also result in flammable liquids or gases being improperly or unsafely stored.

To prevent this:

- Employ cleaning staff for your office to keep it tidy and free of waste
- Deal with stock or deliveries promptly so they don't pile up and obstruct escape routes and exits
- Ensure you're aware of any flammable or combustible liquids or gases present in your office, ensuring they are correctly and safely stored to minimise risk

4) Electrical equipment

There's no avoiding electrical equipment in a modern office. Computers, wires, televisions, phones, tablets – our workplaces have never been more connected. All it takes is an overloaded socket/extension lead, a damaged or loose socket



or an overheated appliance to increase the risk of fire.

Luckily, there are easy steps you can take to reduce the risk of electrical fires.

- Have your entire electrical installation checked and certificated as safe every five years by a suitably competent contractor
- Regularly check your office electrical items for faulty plugs or damaged and loose wiring. You can also make sure staff stay vigilant of these signs too
- Have regular PAT (Portable Appliance Testing) carried out and regular maintenance of electrical equipment too, as this can identify developing issues before they occur
- Replace or repair any

equipment that is faulty (and ensure that any equipment that is unsafe is removed from service and is clearly labelled as unfit for use). The key items that suffer damage most frequently are kettles, toasters and hoovers, as all of these are regularly used. It may be tempting to leave it and save money, but the fire risk it poses could result in loss of assets, lives and livelihoods, which far outweigh the cost.

5) Arson

It's a sad fact that sometimes outside influence will be the cause of an office fire, namely arson. Enhancing the security of your business is the best way to deter criminals and stop them in their tracks to reduce the likelihood of an arson attack.

- Install an adequate

Hamilton Security launches UVC Light Kit, Antimicrobial Carrier



Hamilton Security has announced a new UVC light kit and anti-

microbial carrier as part of its infection prevention solutions that will help financial institutions protect employees, customers and assets amid the COVID-19 crisis. The UVC light kit and antimicrobial carrier provide a quick disinfection process between customer transactions at bank and credit union drive-throughs, reducing the risk of the coronavirus spreading to customers and employees.

Hamilton's new UVC light kit and antimicrobial carrier facilitate the safe exchange of cash and physical goods by reducing the spread of germs and other pathogens. The UVC light technology combined with the antimicrobial agents in

the cylinders offer a complete UVC drive-up solution for banking infection prevention needs.

Ultraviolet C Light technology integrated into the pneumatic tube system kills disease-causing microorganisms by disrupting their DNA. The UVC light reduces the transmission of bacteria, viruses and other pathogens at drive-throughs, keeping tellers and customers safe during the automated transfer of cash and documents.

Antimicrobial agents added to the polyamine resin of the pneumatic tube canister control the growth of bacteria, including E. coli, staphylococcus, fungus and algae. The universal antimicro-

bial carrier lowers the risk of spreading germs to people sending or receiving cash and goods through a pneumatic tube system.

The UVC light kit can be selected for retrofit within existing Hamilton HA-1000 XLRs as well as a complete solution

for new installation. The antimicrobial carrier is available in standard and custom sizes to fit virtually any existing pneumatic tube system.

The infection prevention solutions complement Hamilton's existing drive-up and walk-up solutions that are helping

Inovonics Mobile Duress Device



Inovonics announced the launch of Inovonics mobile duress, designed to provide precise indoor room and floor level location when someone activates an Inovonics pendant. Built upon the Inovonics cloud platform, the solution marries the reliable hardware with powerful software and API tools for easy integration and data access.

Mobile duress pendants, or panic buttons, have played a crucial role

in protecting life and property for decades. Security systems can easily associate a fixed pendant with a specific location upon installation, but determining indoor location when someone activates a body worn pendant has been significantly more problematic and cost-prohibitive.

Cell phone apps can help pinpoint location through the use of GPS technology, but GPS cannot distinguish be-

tween floors, and it takes precious time for someone to access and activate a phone app – and this is assuming their phone is readily available, fully charged and has reliable in-building cell coverage. In such situations, responders may know a problem exists, but not know where.

The Inovonics mobile duress system solves this problem by delivering an innovative location solution for responders so that they know precisely where to go in an emergency. Inovonics mobile duress seamlessly integrates into an end customer's existing physical security infrastructure and is easy to install and cost effective to deploy.

Aico launches new Environmental Sensors to promote healthier homes



Aico has launched new HomeLINK Environmental Sensors, designed to create better maintained, healthier, energy efficient homes by monitoring temperature, humidity and Carbon Dioxide.

Available in two models; the Ei1020 measures temperature and humidity while the Ei1025 measures temperature, humidity and CO₂, the Environmental Sensors provide actionable insights into conditions such as mould risk, draught risk, excess cold,

heat loss and indoor air quality.

Insights from the new Environmental Sensors on indoor environmental conditions allow for preventative measures and proactive maintenance, enabling landlords to adhere to requirements outlined in Standards and Legislation, such as the Homes (Fitness for Human Habitation) Act 2018 and the Energy Efficiency Standard for Social Housing.

The SmartLINK Gateway extracts the data

from Environmental Sensors and provides a central hub for data from both Fire and Carbon Monoxide alarm systems and Environmental Sensors. Advanced Machine Learning technology interprets the data to provide insights which are available via the HomeLINK dashboard.

With data from Environmental Sensors and connected Fire and Carbon Monoxide alarm systems segmented by high, medium and low risk, top-level data can be viewed on the main dashboard.

The HomeLINK Resident App, specifically designed for the Environmental Sensors, gives people an insight into their home health through an overall rating, temperature, humidity and CO₂ data and advice on the measures they can take to improve the quality of their home, including alarm testing notifications.

Global study identifies need for heightened public safety



An expansive global study has uncovered how expectations for safety and security are changing while fuelling public safety and enterprise innovation. The

their information so long as they use it appropriately.

The research identifies three major trends that demonstrate an inflection point in how citizens and organisations are thinking about technology and safety.

Dr Brauer, lead re-

understood and for it to be used in ways that are transparent, fair and inclusive.

The research also identifies that more public education is needed to increase understanding of emerging technologies, such as artificial intelligence (AI).



Consensus for Change report surveyed 12,000 citizens and interviewed 50 public safety agencies, commercial organisations and industry experts across 10 geographic markets (Australia, Germany, Italy, Malaysia, Nordics, Singapore, Spain, Taiwan, United Kingdom, United States). It analyses how the global Covid-19 pandemic heightened awareness of the need for technology to enhance public safety while accelerating innovation and technology adoption for emergency services and enterprises around the world.

The study finds that an overwhelming 88% of citizens globally want to see public safety transformed through the use of advanced technology. Other major findings include 71% of respondents said more specifically advanced technologies, such as video cameras, data analytics, cybersecurity and the cloud, are needed to address challenges of the modern world.

In addition 70% suggested emergency services should be able to predict risk, a task that can be supported by advanced technologies, and 75% said they were willing to trust the organisations that hold

searcher for the report, said that conducting the study against the backdrop of the global pandemic uncovered unique insights into public expectations and attitudes for safety. "Citizens all over the world are coming to terms with what it means to live with Covid-19 and how it impacts their safety. Our shared experience of the pandemic has made us realise that technology can play a far greater role in keeping us safe and has increased our understanding of why public safety and enterprise organizations need it to respond to new threats."

Consensus for Change highlights how the pandemic sparked high-velocity innovation for public safety agencies and businesses, especially in the areas of cloud adoption, video security and interoperability between disparate organisations and systems, while reconfirming the need for reliable and resilient mission-critical communications.

The Consensus for Change report also reinforces the need for transparency and trust to increase public support for technology deployments. Citizens want the benefits of technology to be easily

"As technology continues to quickly evolve, it is critical for organisations to ensure that their advancements are built, and understood, to be human-centric," Satharishi said. "For example, artificial intelligence should be designed in a way that respects human decision making and considers the public's input and needs, while allowing users to make better informed decisions and respond to complex threats. By designing advanced technologies to be assistive, we ensure that the decision-making remains the sole responsibility of humans."

The Consensus for Change report is presented as an essential resource for public safety agencies and enterprises to understand and apply lessons from the pandemic. The pandemic has highlighted the need to look at things and respond differently - from assessing risks and better predicting areas of operational disruption, to evaluating and integrating the right technologies to support business continuity. It has also reinforced the need for better communication and collaboration with communities and among stakeholders to secure support for

the expanded use of advanced technologies.

As communities across the globe continue to respond to wide-reaching threats to

our safety, these insights emphasize the steps they can take today to assure greater safety for the future. The research was conducted by Motorola Solutions in partnership

with a leading academic, independent research team, directed by Dr. Chris Brauer, at Goldsmiths, University of London.

4 technology trends shaping the future of traffic management



"Digital technologies are creating new opportunities for cities to reduce congestion and accelerate incident responses, from smart algorithms that detect and report violations; to all-in-one violation detection devices and cameras that capture high-resolution, full-color video – even in the lowest-light conditions," says Jayden Xu, senior ITS solution manager at Hikvision.

High-quality color imaging for traffic management and violations, 24 hours a day

Improving traffic conditions and road safety requires effective monitoring around the clock, with the ability to identify and react to traffic violations reliably. To achieve this, agencies need reliable video solutions, such as Hikvision traffic cameras with its top-notch imaging technology, which can capture crystal clear, colored video images, even in extremely low-light conditions, or at night. Importantly, agencies' chosen enforcement cameras must be able to capture high-quality images without emitting white light, which creates environmental issues and distracts drivers.

Digitized ITS infrastructure delivers improved traffic outcomes

Digital technology solutions are creating a range of new opportunities to reduce traffic congestion and emissions, and to improve road safety. This is achieved by sourcing and analyzing data from a range of sources, including roadside cameras and sensors, to enable a 360° view of traffic conditions, including accidents and violations. The resulting insights can be used by traffic authorities and city planners to optimize the design of road networks, and to prioritize investments

in road infrastructure. Additionally, traffic police can use real-time traffic and incident data to enhance dispatch of emergency teams, or to guide traffic at key intersections to optimize traffic flow.

This means it's often more practical to take advantage of street light poles or the other available poles beside urban roadways to install ITS devices. Obviously, this places higher demand for devices with on-board algorithms that can recognize vehicle types and read number plates (where necessary) with less strict device installation requirements than gantry mounted devices.

'All in one' devices combat speeding more efficiently

Speeding is a major traffic issue in cities worldwide. But detecting vehicles breaking the speed limit usually require a coordinated effort between different devices: typically, a traffic camera, a radar, and a supplemental light. The latest trend is to increase simplicity, reduce costs, and reduce pressure on roadside mount locations, by integrating these three capabilities into a single device. Hikvision has been exploring this area for years, and we have developed all-in-one equipment for traffic violation detection use that maximizes efficiency – both in terms of space, cost, and support.

IT security and cybersecurity: What's the difference?



Information technology and cybersecurity share common goals of protecting people, devices, and data -- but focus on different issues and take a very different approach.

Information technology (IT) uses computer networks, hardware, and software to store and share digital information. Cybersecurity focuses more narrowly on protecting computer systems, digital devices, and data from unauthorized access.

Both fields have specialized roles and responsibilities. Working in IT or cybersecurity, you'll be responsible for protecting people and information from electronic attacks. Hacks can result in identity theft, data theft or loss, unauthorized access to emails or databases, or the introduction of malicious software.

Here's a closer look at what IT security and cybersecurity have in common and how they differ.

Information technology focuses on the systems that store and transmit digital information. Cybersecurity, in contrast, focuses on protecting electronic information stored within those systems.

Cybersecurity usually focuses on digital information and infrastructure. Infrastructure may include internet connections and local area networks that store and share information. In short, cybersecurity focuses on preventing hackers from gaining digital access to important data on networks, on computers, or within programs.

Workers in IT and cybersecurity have varying job titles depending on their education, training, experience, and responsibilities. One subset of IT, IT security, focuses on protecting access to computers, networks, and information.

IT security professionals may create plans to protect digital assets and monitor computer systems and networks for threats. They may also work to protect the physical equipment storing the data, along with the data itself.

Another subset of IT, information security, focuses on securing data and systems against unauthorized access. Some professionals group cybersecurity within the field of information security. Often, responsibilities overlap among cybersecurity, information security, and information technology professionals.

Information security, or InfoSec, focuses on maintaining the integrity and security of data during storage and transmission. In short, information security encompasses all forms of data. An information security specialist may create and enforce user, network, and data security policies. Information security employees educate network users about security issues and encourage them to follow security standards. They may also investigate security incidents and document what happened to prevent or eliminate a recurring threat.

Depending on an organization's size and resources, IT and cybersecurity staff may engage in security testing. They may also advise managers or executives on information or network security issues that affect the entire organization. In smaller organizations, cybersecurity specialists may focus more on defending digital systems through proactive and defensive measures.

Information security analysts often create disaster recovery plans, which provide guidelines organizations can follow to continue business operations in the event of an emergency. Recovery

plans may include actions such as copying and storing data in the cloud.

The plan might also include a framework for maintaining or resuming IT operations following a natural or manmade disaster. Information security professionals regularly test the measures they intend to implement.

In contrast, cybersecurity responsibilities include verifying and enforcing software updates, password management, and using firewalls and anti-virus protection. Cybersecurity policies might include requiring two-factor authentication to access devices, software, or any information stored on the network.

In most cases, cybersecurity is considered an IT job. However, cybersecurity jobs usually focus on protecting digital information. Some organizations may give these individuals the job title of cybersecurity specialist or cybersecurity manager. Related cybersecurity job titles include cybersecurity engineer or cybersecurity administrator.

When considering a career in IT or cybersecurity, it's important to understand the differences between these two fields. Although roles and responsibilities may overlap, IT typically has a broader focus on projects, like building and operating computer networks and systems. Cybersecurity focuses on protecting the information within those systems.

Cybersecurity and IT use different strategies and skills to achieve many of the same goals.

Those goals center on keeping digital information and infrastructure safe from hackers. These jobs enable our confidence in the technology that helps us do our jobs effectively and efficiently.

Information technology uses computer systems to create, store, and share information. IT supports personal computers and digital devices and video conferencing. Nearly all organizations rely on IT for basic and high-level functions, such as handling sales, inventory, product management, and customer service.

How AI technology can solve complex security challenges



Dealing with complex security problems related to large flows of people and vehicles has been a prevalent challenge over the years. Even with basic monitoring functions, common surveillance solutions nowadays still lack relevant features that address other customer requirements including target searching, customer statistical data, parking management, etc.

However, by incorporating AI into surveillance devices, these further monitoring demands can be efficiently solved. AI-powered solutions not only provide early warning and real-time alerts for users to respond to security risks in time, but also offer advanced analytics and data statistics that can assist their business operations.

One of Dahua's key AI technologies can be used to help solve common surveillance issues such as these and here Dahua product manager Ms. Shirley Pei explains some of the beneficial aspects of the latest Dahua Wizmind technology.

Powered by deep learning algorithms, the Dahua Wizmind is basically a comprehensive portfolio of project-oriented AI products and solutions, including IPC, NVR, PTZ, XVR, thermal imaging devices, and software platforms.

It is designed to meet the complex requirements of high-end vertical markets, such as retail, energy, finance and transportation. Its main applications are based on humans and vehicles, which address the ever escalating complexity of security challenges like large flows of people and vehicles. At the same time, it also provides applications based on object and thermal imaging.

The human-based Wizmind offers intelligent AI features like face recognition, privacy protection, human video metadata, stereo analysis, people counting and so on. It provides accurate data based on human attributes and behaviours, which can help users to respond to the situation accordingly.

The generated data can also be used to help managers optimise their business operation and aid their decision making. And of course, we have considered user privacy for these functions, in fact, there are flexible options for users to customise their monitoring based on their actual needs.

Ensuring traffic safety and efficiency can be a headache for many cities all over the world. The Wizmind based on vehicles, as its name indicates, pertains to our vehicle-based AI technologies including ANPR, vehicle metadata, illegal parking detection, and parking space management. It's widely used in urban roads, residential communities, parking lots and toll stations to alleviate traffic congestion and improve the driver experience.

The Dahua Smart Parking Management Solution, for example, can help drivers locate an available parking space in real time. The Wizmind ANPR IPC can be deployed at the entrance/exit of a residential complex to automatically identify the residents' vehicle number plates. It provides convenience to drivers and helps save labour costs.

The object-based Wizmind is equipped with deep learning algorithms that can detect objects like boxes, backpacks, luggage bags, bikes, etc.

It effectively filters out interference caused by light, animals and other irrelevant objects, thus providing accurate alarms and reducing false alarms.

With these capabilities, it can offer real-time detection of abandoned or missing objects with a linkage alarm connected to the administrator to find missing items in time. It is suitable for railway stations, bus stations, and airports, where there's a large flow of travellers and commuters on a daily basis. In some cases, it is also used to detect objects obstructing fire lanes and fire exits.

Wizmind utilises thermal imaging technology to achieve 24/7 ultra-long range monitoring that can recognise humans and vehicles even from far distances and even under harsh environments with fog, haze, snow, and so on. A Dahua thermal camera can be deployed for perimeter applications as it can detect both people and vehicles at a distance, which helps alert authorities in time in case of intrusion. It is also ideal in ports and docks to detect water vessels even in harsh weather conditions. Aside from that, these Wizmind thermal cameras can also help prevent waste and forest fires at an early stage because it can detect mild differences in temperature change.

The Dahua Wizmind is compatible with global video management systems, like Milestone, Axxon, Avigilon, ISS, Qognify, and Mirasys. Users can use our very own Dahua Open Platform (DHOP) for Wizmind IPCs and thermal cameras based on their actual needs.

Partnering with **Kawach**
will always be a **BRIGHT** idea



INTRUSION ALARMS | ELECTRIC FENCING | GUARD TOUR SYSTEMS

Established in 1983, Kawach has been the most trusted source of highly dependable electronic protection systems for over three decades. Our systems protect the Hon'ble President of India and the National Museum among thousands of other government, corporate and individual end-user clients across India. We manufacture and offer systems from world-renowned brands such as Jablotron, Nemtek, and Tomst in India. On offer are state-of-the-art Addressable Wired and Wireless Intruder Alarms that can be controlled by the mobile application. Electric Fencing and Outdoor Beam Sensors that can be integrated with the central control panel and our mobile application. Our Guard Tour Systems are uniquely vandal-resistant, requiring no batteries or recharging for over 5 years! Incidents and observations can be logged by guards, reports generated and emailed to relevant people from our desktop or cloud-based software.

**We Train, Certify, Support and Promote
our System Integration Partners**



**PARTNER
INQUIRIES
WELCOME**

**CALL US
TODAY**

"Security House"
24-B Udyog Vihar - V, Gurgaon-122016, India
Tel: +91 - 124 - 4001111 | E-mail: info@kawach.com
Web: www.kawach.com

INDUSTRY EVENTS



SOUTH AFRICA

16-18 November, 2021
Securix South Africa
Gallagher Convention Centre
Johannesburg
South Africa
www.ifsecsa.com



USA

17-18 November, 2021
ASIS 31st Security Conference
and Expo
Javits Centre, New York, NY
USA
<https://asisnyc.org/events/>



USA

17-18 November, 2021
ISC East 2021
Javits Centre, New York, NY
USA
www.nfsa.org/annual-seminar/



INDIA

24-25 November, 2021
SECURITY TODAY KNOWLEDGE
SUMMIT 2021
New Delhi
<http://securitytoday.in/knowledgesummit/>



SINGAPORE

24-26 November, 2021
Fire & Disaster Asia 2021
Marina Bay Sands,
Singapore
www.firedisasterasia.com.sg



INDIA

December, 2021
TOP INDIAN WOMEN INFLUENCERS
IN SECURITY 2021
New Delhi
<https://www.securitytoday.in/>



INDIA

9-11 December, 2021
IFSEC India
Pragati Maidan, New Delhi
India
www.ifsec.events/india/



INDIA

16-17 December, 2021
3rd Edition of the Global Inclusive
Disaster Management Conference
and Exhibition
India Expo Mart, Greater Noida
India
www.ifsec.events/india/



SPAIN

22-25 February, 2022
SICUR 2022
IFEMA Feria de Madrid
Madrid, Spain
www.ifema.es



NORWAY

9-10 March, 2022
Sectech Norway
Norges Varemesse
Lillestrom
Norway
www.securityworldmarket.com



INDIA

3-5 March, 2022
PACC 2022
Goa
India
<https://fsai.in/>



INDIA

23-25 March, 2022
7th Smart Cities India 2021 Expo
Pragati Maidan, New Delhi
India
www.smartcitiesindia.com



INDIA

1 April, 2022
Secutech India
Bombay Exhibition Center
Mumbai, India
<https://secutechindia.tn.messefrankfurt.com/mumbai/en.html>



UK

5-7 April, 2022
The Security Event
N.E.C., Birmingham
United Kingdom
www.thesecurityevent.co.uk



QUEBEC

20 April, 2022
Security Canada East
Sheraton Laval, Laval,
Quebec
www.securitycanadaexpo.com



KOREA

20-22 April, 2022
Korea International Exhibition
Centre - Kintex
Seoul, Korea
www.seconexpo.com



NIGERIA

10-12 May, 2022
Securix West Africa 2021
Lagos,
Nigeria
www.gidmc.org



CZECH REPUBLIC

22-24 May, 2022
ASIS Europe 2020
Prague Congress Centre,
Nusle, Prague, Czech Republic
www.asiseurope.org



WIRELESS ALARM SYSTEM FOR FIRE PROTECTION



See Far, Go Further



Wireless Smoke Detector



Wireless Panic Button



Wireless Hooter with Strobe



Wireless Alarm Panel

Alarms + CCTV
Inbuilt GSM, Wifi & Lan Connectivity
Video Varification



Complete Wireless Connectivity



SMS, Call & in-app Notification / Alerts



800 mtr Wireless Range



Integration With CCTV



Monitoring Using Mobile App



Corporate Office:
PRAMA HIKVISION INDIA PVT. LTD.
Oberoi Commerz 2, International Business Park,
18th Floor, Near Oberoi Mall, Off W.E. Highway,
Goregaon (East), Mumbai - 400 063.
Tel: +91-22-4041 9900, 2846 9900
Web: www.hikvisionindia.com



Sales:
+91-22-4041 9944, 2846 9944
sales@pramahikvision.com



RMA Support:
+91-22-6822 9977, 3322 6070, 2846 9977, 0250 663 6677
rma@pramahikvision.com



Technical Support:
+91-22-6822 9999, 3322 6060, 2846 9999
support@pramahikvision.com
Toll Free: 1800 222 699