SIA
NEW
PRODUCT
SHOWCASE
2020

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ABOUT THE SECURITY INDUSTRY ASSOCIATION NEW PRODUCT SHOWCASE

The New Product Showcase (NPS) recognizes innovative products and services in electronic physical security. As a trusted and valued source of information on the latest products and technologies, the NPS program introduces security professionals and endusers to leading-edge security solutions.

NPS judges represent a carefully selected cross-section of security industry experts and are drawn from dealers, specifiers, end-users, distributors and practitioners. Judges carefully review the NPS applications prior to ISC West. The day before the show opens, NPS participants present their entries to a panel of judges, who further add to their knowledge of entries when they explore the show floor the following day. After completing their unbiased and comprehensive evaluations, the judges select the best product or service in each category for which there is a sufficient number of entrants.

If you are a buyer or specifier of electronic or IT security equipment and would like more information about the 2020 NPS entries and their manufacturers, please visit www.sianps.com.

If you are a manufacturer and would like to learn more about the benefits of the SIA NPS program or directory advertising, please visit sianps.com or contact:

Joe Gittens
Director of Standards, Security Industry Association
301.804.4709 | jgittens@securityindustry.org

SIA NPS ENTRIES

The new products included in this directory were entered into the SIA New Product Showcase awards as of our February deadline. For more information, visit www.sianps.com.

COMPANY NAME	PRODUCT	PAGE
Abloy Oy	ABLOY® BEAT	8
Active Guardian	Sentinel	9
Airship Industries, Inc.	Airship EMS v5.4.5	10
Alarm.com	On-Site Wrap Up	11
Alarm.com / Building36	Smart Water Valve+Meter	12
Alcatraz AI	Alcatraz Rock Access Control 3D Facial Recognition Sensor	13
Altronix Corporation	Tango	14
Alula	Slimline Touchpad	15
Ameristar Perimeter Security	Matrix Alpha	16
Arcules and Milestone Systems A/S	Arcules-XProtect Hybrid VMS Solution	17
ASSA ABLOY	Norton 6300 Series Door Operator with WiFi Programming	18
ASSA ABLOY	Yale nexTouch Exit Trim	19
ASSA ABLOY	Mortise Lock Status Indicators from ASSA ABLOY Group brands Corbin Russwin and SARGENT	20
ASSA ABLOY Electronic Security Hardware	HES K100 Series Cabinet Lock	21
Avigilon	Avigilon Control Center	22
Axis Communications, Inc.	AXIS Live Privacy Shield	23
Axis Communications, Inc.	2N LTE Verso	24
Axis Communications, Inc.	AXIS C8210 Network Audio Amplifier	25
Babaco	GPS Seal Protector	26
Baldwin Hardware	Baldwin TouchScreen with Z-Wave	27

The new products included in this directory were entered into the SIA New Product Showcase awards as of our February deadline. For more information, visit www.sianps.com.

COMPANY NAME	PRODUCT	PAGE
BioConnect	BioConnect's Unified Mobile Access Solution	28
Blue Light	Blue Fusion	29
Bosch Security and Safety Systems	MIC IP ultra 7100i	30
Brivo	Brivo ACS100	31
Bullistic Barriers	Bullet Resistant Fence	32
Camden Door Controls	Kinetic™ by Camden 915Mhz. Wireless Door Control Solution	33
Cartell	CW-SYS Wireless Driveway System	34
Clare Controls	ClareOne Wireless Security and Smart Home Panel	35
CloudScann	Visual Intelligence Control Center (VICC) with VisualC3 mobile	36
Continental Access	Continental CA4K Access Manager App	37
CrucialTrak	Visitor Management System	38
CrucialTrak Inc.	BACS SmartDoor	39
CyberLock Inc.	Dynamic Tags Software Enhancement Module	40
CyberLock Inc.	CyberKey Blue 3	41
CyberLock Inc.	CyberAudit-Web Connect	42
dormakaba	BEST Switch™ Tech	43
Dragonfruit AI	Dragonfruit LiveArchive	44
Edgetensor/DreamVu	Smart3D 360 Edge Analytics	45
EIZO Inc.	FDF2711W-IP	46
ELATEC	TWN4 Palon Compact Panel Reader	47
FLIR Systems, Inc.	FLIR Elara™ DX-Series Camera	48

The new products included in this directory were entered into the SIA New Product Showcase awards as of our February deadline. For more information, visit www.sianps.com.

COMPANY NAME	PRODUCT	PAGE
Gibraltar Perimeter Security	G-1441 Ultra-Shallow Bollard	49
Hanwha Techwin	PNM-9085RQZ	50
HID Global	HID Signo® Readers	51
Hikvision USA	Thermal-Optical DeepinView Network Turret Camera DS-2TD1217-2/V1	52
Honeywell	MAXPRO Access 2 (MPA2)	53
IDEMIA	VisionPass	54
Identiv	Hirsch Velocity Cirrus	55
IDIS	DC-C4212RX Full HD micro-dome camera	56
IPVideo Corporation	HALO IOT Smart Sensor 2.0	57
IronYun Inc.	AI NVR Edge Analytics	58
Jemez Technology LLC	Jemez Technology (Eagle I Enterprise VSAAS)	59
Kidde	Kidde Optica Smoke Detectors	60
Leica Geosystems, part of Hexagon	Leica Geosystems BLK 247, part of Hexagon	61
Medeco	All Weather Padlock	62
MOBOTIX AG	M73	63
NAPCO Security Technologies	iSecure™ Complete Cellular Alarm Systems	64
Nexkey, Inc.	Nexkey Solo™	65
Openpath	Single Door Controller	66
PDQ Manufacturing	pdqSMART-STS Mobile Validated Access Control	67
Pelco, Inc.	Spectra Enhanced series 7 PTZ IP Camera Systems	68
Pivot3	Pivot3 Virtual Security Operations Center	69

SIA NPS ENTRIES

The new products included in this directory were entered into the SIA New Product Showcase awards as of our February deadline. For more information, visit www.sianps.com.

COMPANY NAME	PRODUCT	PAGE
ProdataKey	Touch io Mobile Access Control	70
Rajant Corporation	Rajant BreadCrumb® DX2	71
Rapid Response Monitoring	rapidSMS	72
Rasilient Systems Inc	NFDCloud	73
RemoteLock	EdgeState	74
SGI Matrix, LLC	Aperta IP Device Controller	75
SiteOwl	SiteOwl	76
SK infosec	Secudium IoT	77
Softing Inc.	NetXpert XG	78
Splan Inc.	SIVI™ - Splan Intelligent Visitor Insights	79
Suprema Inc.	Airfob Patch	80
Sure-Fi, Inc	Serial Pro Wireless Bridge	81
Swiftlane	Swiftlane Access Control	82
System Sensor	L-Series Low Frequency AV Notification Appliances	83
Thermal Imaging Radar	Thermal Radar	84
TOUGHDOG SECURITY	TDSB35	85
Ver-Mac inc	Watch Tower Observer	86
Verint	NowForce	87
VOSKER	V300 - Solar Powered LTE-based Mobile Video Security Camera	88
Yale Home	Yale Assure Lever Lock – Connected by August	89
ZKTeco	SF1008-WP	90

ABLOY

ABLOY® BEAT

ABLOY® BEAT is a 'Keyvolution', heralding a new era of effortless connectivity, mobile security and control, without a physical key, to boost your operational efficiency. We have built a new digital key, with the most advanced SEOS® credential technology combined with our robust digital padlock. Utilised from your mobile device with best-in-class security and privacy protection. Highly visual ABLOY® OS interface enables managing all the keys, locks, and access rights on-the-go and remotely with ease.

MORE INFORMATION

Sentinel

The Sentinel Gunshot Detection Unit is technology which can eliminate the false-positives and reduce the cost by doing away with the expensive software, servers, cloud servers, and human intervention. This technology uses non-acoustical ultrasonic sensors to detect the frequency of a gunshot concussive wave created by a bullet leaving the chamber along with the explosion wave force. Because these sensors are not acoustic (microphone), they will not pick up the ambient noise like other systems. In addition, the ultrasonic sensors only detect the gunshot concussive wave within the determined frequency. This also helps eliminate confusion caused by loud noises such as thunder, cars backfiring, large boxes being dropped, etc. An added bonus is ultrasonic sensors are not acoustic, therefore they are never listening or recording, the sensors only operate when there is an actual gunshot; hence, they're completely non-invasive.

MORE INFORMATION
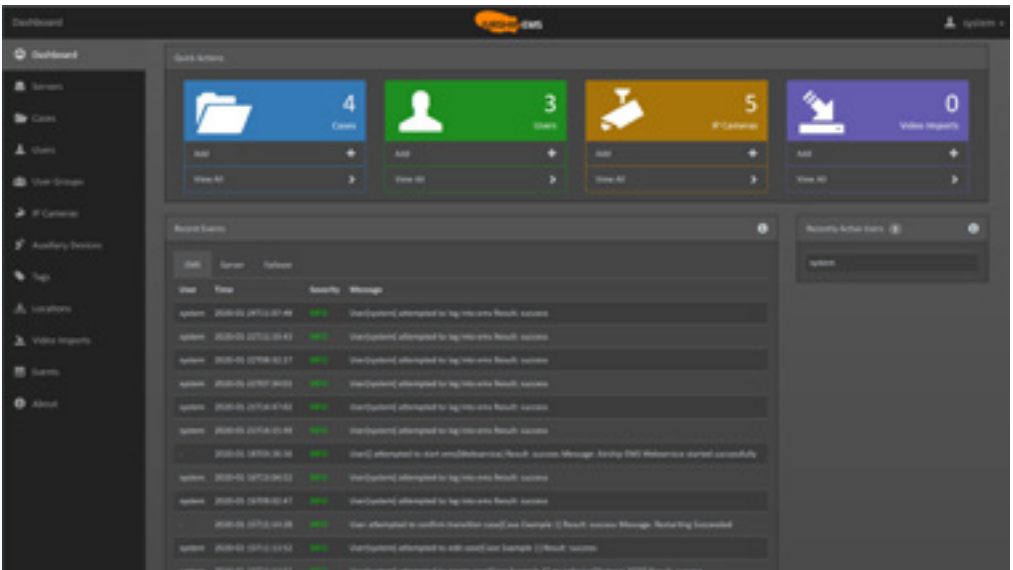
Airship EMS v5.4.5

Airship Enterprise Management Software, or EMS, is a browser-based enterprise federated video management GUI that tailors edge video, advanced sensor integration, edge-based analytics and related metadata that adapts to each customer's unique workflow needs. Airship's software ecosystem runs locally, in the cloud, in bare metal and virtual operating environments. Underneath EMS, Airship provides a full software suite supporting recording, encoding, transcoding, and archiving operations, all into a single client thick and/or thin application for viewing.

MORE INFORMATION
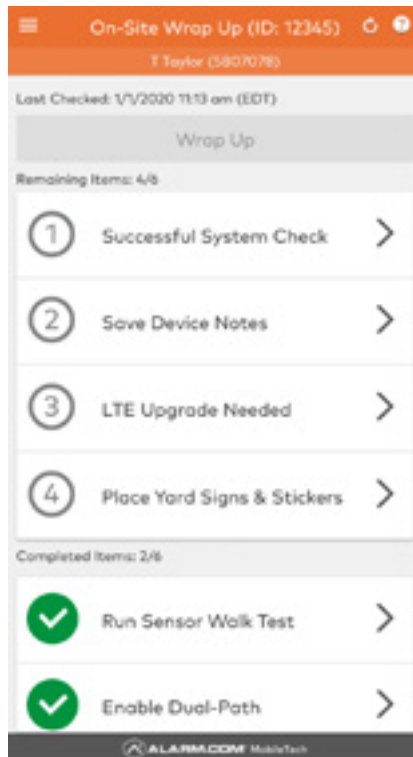
On-Site Wrap Up

On-Site Wrap Up prompts technicians within the Alarm.com MobileTech application to complete a checklist of customizable actions to ensure a consistent, high-quality experience. The checklist is comprised of pre-configured best practices which are automatically validated by the system (all signals and diagnostics received) or customized tasks that fit the installer's operations process. Once completed, technicians simply tap the Wrap Up button to submit the checklist for manager review and reporting.

MORE INFORMATION

Smart Water Valve+Meter

The Smart Water Valve+Meter from Alarm.com redefines water management in smart homes and businesses. The combined water meter and shutoff valve uses cutting-edge technology to prevent property damage from leaks of all sizes and lower water bills by reducing waste. As part of the Alarm.com ecosystem, the device is managed from a single application. It leverages critical system and occupancy data that drives intelligent responses to problems and proactively alerts property owners and service providers.

MORE INFORMATION

![alcatraz ai]

Alcatraz Rock Access Control 3D Facial Recognition Sensor

By 2020, over a billion smartphones will use digital 3D face scanning to offer users the most secure access to their phones. Why not use similar technology to control physical access by the Apple engineers involved in the FaceID project? Silicon-valley based tech startup Alcatraz AI has done just that, bringing facial authentication to physical security with the intention to replace or augment access control badges, turnstiles, and guards with AI. The Alcatraz Rock access control sensor is a 3D facial authentication product that creates a frictionless and secure environment at enterprises that care about their physical security. It uses facial authentication to replace or augment badges (single and dual-factor) while sensing for tailgating, solving one of the biggest problems in the industry. It uses AI to self enroll employees, as well as passively track employees to sense who doesn't belong. The Alcatraz Rock integrates into any existing access control infrastructure, badge reader and badge type, making it the easiest biometric product to deploy while providing security that currently is achieved with turnstiles or guards.

MORE INFORMATION
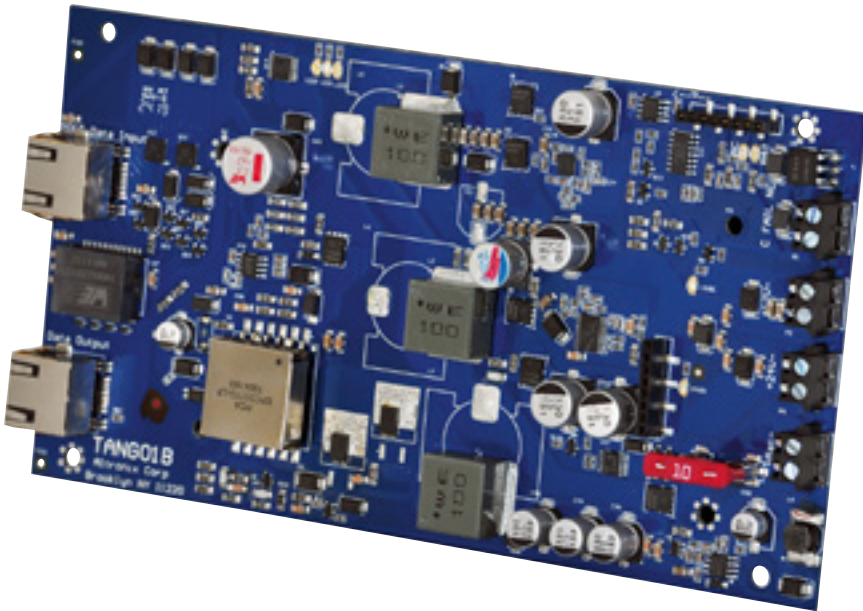
Tango

Altronix new Tango PoE Driven Power Supply/Charger with Lithium Iron Phosphate Battery Backup is an industry game-changing power solution that allows 12VDC and 24VDC devices to be powered simultaneously via 802.3bt PoE input. This new solution allows manufacturers of powered devices to design new products with power hungry features such as PTZ cameras w/ IR illuminators and heaters & blowers for harsh environments and more.

MORE INFORMATION

Slimline Touchpad

Controls every aspect of a modern security system, delivering at-a-glance control of video cameras, Z-Wave devices and each intrusion and environmental sensor. Everything is instantly available on the sleek 7" touchscreen. New for 2020, Slimline Touchpad speaks! Add audible zone status and Z-Wave device alerts to a security panel takeover, or perfect a new Connect+ Hub installation. Breathe new life into an old security panel, instantly upgrading with the Slimline Touchpad. It's the perfect on-site complement to the interactive smartphone app.

MORE INFORMATION

Matrix Alpha

Matrix Alpha is a curtain wall system designed to expand to the level of site security required. Its framework structure allows the user to define the level of security needed by choosing a suitable mesh option that details the degree of delay and site visibility. Galvanized to protect from the elements, the Matrix Alpha fence system is a baseline for perimeter security. Alpha's curtain wall architecture allows for variable post spacing yielding reduced installation times.

MORE INFORMATION

Arcules-XProtect Hybrid VMS Solution

Arcules VSaaS integration with XProtect® Corporate provides a flexible and feature-rich hybrid video surveillance solution ideal for organizations looking to centralize their dispersed video surveillance operation. It combines the scalability of VSaaS and the functionality of on-premise, provides a fast way of deployment with minimum IT resources and downtime, while giving customers uniform access to live video, recordings and alarms across all cameras connected physically or virtually through XProtect Smart Client, XProtect Smart Wall, and the web and mobile clients.

MORE INFORMATION

Norton 6300 Series Door Operator with WiFi Programming

This low energy door operator features one of the slimmest profiles in the industry and is available in a variety of custom finishes, enabling it to blend seamlessly into any single or double door frame. Its modular, four-piece design facilitates an easy, one-person installation. Step-by-step programming through a one-of-a-kind web interface on WiFi-enabled smart devices offers a quick means for setting-up, saving and even porting settings to other operators – no app required.

MORE INFORMATION

ASSA ABLOY

Mortise Lock Status Indicators from ASSA ABLOY Group brands Corbin Russwin and SARGENT

Mortise lock status indicators are ideal for commercial, educational and healthcare facilities where privacy and security are essential. With a viewing window 25% larger than the industry standard and customizable text, color and symbols, occupants can easily determine whether a door is locked or unlocked and whether a space is occupied or vacant. A patent-pending curved window design provides 180-degree, all-angle visibility and an optional reflective coating improves visibility in low light conditions.

MORE INFORMATION

ASSA ABLOY

ELECTRONIC SECURITY HARDWARE
HES | Securitron

HES K100 Series Cabinet Lock

The HES K100 Series Cabinet Lock utilizes wireless Aperio® technology that supports low or high frequency cards to extend access control to lockers, drawers and doors. The HES K100 uses local wireless communication between the lock and an Aperio hub to bring access control to cabinet doors and drawers where audit trail and real-time monitoring are required. The HES K100 supports HID® multiCLASS SE® contactless credentials and NFC/BLE-enabled credentials, which are supported on the majority of mobile phones in market today.

MORE INFORMATION

ASSA ABLOY

Yale nexTouch Exit Trim

Yale nexTouch Keypad Exit Trim enables commercial, multi-family, and mixed-use facilities to retrofit mechanical exit device trim with touchscreen or pushbutton keypad access, improving access control and eliminating security issues and costs associated with key systems. nexTouch is easy to install and powered by four AA batteries. Voice-guided prompts help to simplify programming. As security requirements evolve, an optional plug-in module supports data-on-card and wireless solutions.

MORE INFORMATION
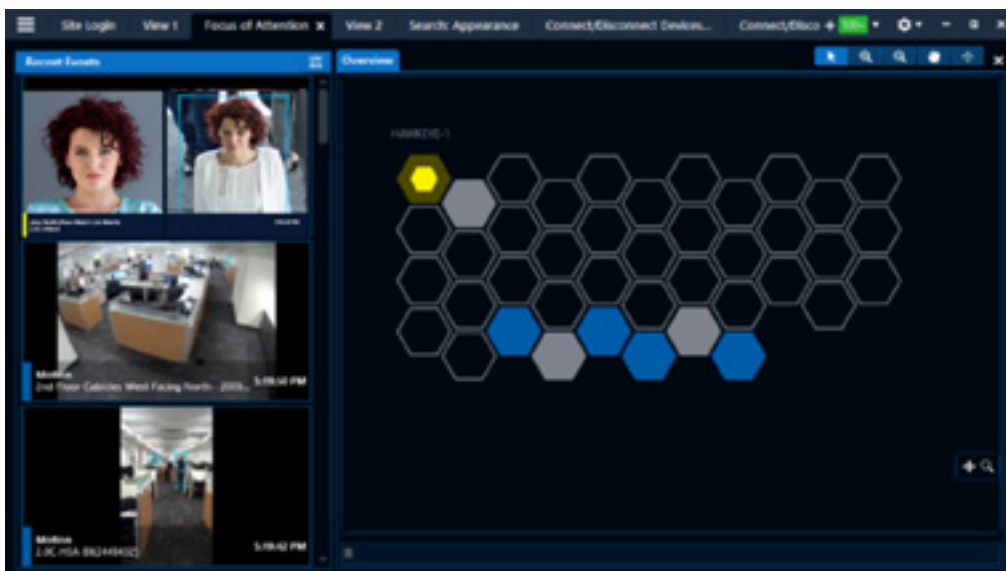
Avigilon Control Center

Avigilon Control Center (ACC) is an advanced video management software that incorporates artificial intelligence-powered facial recognition technology. The powerful capability helps commercial organizations accelerate response times by identifying people of interest. People of interest are identified based on a secure, controlled watch list created and maintained by authorized users at the commercial organization. Avigilon cameras licensed for facial recognition will seek to identify potential matches based on the watch list. If a potential match is found, the user is alerted within ACC's Focus of Attention interface.

MORE INFORMATION

AXIS Live Privacy Shield

AXIS Live Privacy Shield enables video surveillance while safeguarding and protecting civilians' privacy in indoor environments. The edge-based software application for selected cameras allows for real-time dynamic masking of moving objects and people, effectively addressing rules and regulations around protecting privacy and personal data. Built for indoor scenarios with good, stable and evenly distributed lighting, the application analyzes live scenes for pixel changes and applies dynamic masking to areas of change.

MORE INFORMATION

AXIS®

C O M M U N I C A T I O N S

AXIS C8210 Network Audio Amplifier

AXIS C8210 Network Audio Amplifier is a smart migration edge device for transforming any passive speaker into a complete network speaker. Together with Axis' Audio Management Software, it's the perfect solution to begin the migration process from analog audio to network audio, without requiring costly, timely overhauls of existing systems. The various network audio benefits include flexible zoning, managing and monitoring audio devices from a single interface, and easy integration to existing security systems or solutions.

MORE INFORMATION

AXIS®

COMMUNICATIONS

2N LTE Verso

2N® LTE Verso is the world's first LTE intercom, combining minimum installation costs with a full-feature set that's great for commercial installations. The intercom is an ideal retrofit solution offering a full range of features from 14 available technology modules, (including RFID, Bluetooth, fingerprint reader) as well as secure configuration via cloud to create a customized solution. All components and materials are industry grade and will provide excellent performance in any conditions, including any outdoor elements.

MORE INFORMATION

GPS Seal Protector

GPS Seal Protector® provides protection against tampering, proof of integrity of the seal, including notification of seal access. In addition, provides GPS tracking with real time updates.

MORE INFORMATION

Baldwin TouchScreen with Z-Wave

TouchScreen combines SecureScreen and Z-Wave technology with bold design to create a simple electronic solution. The screen uses a 4-to-8-digit code to unlock and a one-touch locking feature. It allows 30 programmable user codes. Available in 2 deadbolt styles and 17 finishes pairable with 3 handleset grips. It works with Amazon Alexa when connected to SmartThings, Wink or similar Smart Home Hubs. Monitor lock status, check history and remotely lock/unlock the door with an app.

MORE INFORMATION

BioConnect's Unified Mobile Access Solution

BioConnect's Unified Mobile Access solution, BioConnect Link enables enterprises to leverage IT approved authenticators, like Duo, PingID and Okta, for physical access. The retrofit solution is designed for any door, data center, network closet, server cabinet, and other equipment. Link sends smart rules-based step-up requests to a user's mobile for added security without requiring the replacement of existing access control systems, readers or cards and securely syncs user data with leading access control providers such as Genetec, Lenel, AMAG, SoftwareHouse, Brivo and many others.

MORE INFORMATION

BLUELiGHT
THE i2 EXPERTS

BLUE FUSION

For IBM® i2® Analyst's Notebook

Empower Your Data

Blue Fusion

Blue Fusion is a multi-cloud, Technology as a Service, integrated security platform that empowers organizations to aggregate and visualize data while providing an unparalleled awareness of security risks and threats. A technically agnostic solution, Blue Fusion enables a federated connection to a multitude of data sources, including but not limited to internal silos, sensor, video, access control, biometrics, facial recognition. All while, enabling the user with visual link analysis, customized alerts, and incident response capabilities.

MORE INFORMATION

BOSCH

Invented for life

MIC IP ultra 7100i

MIC IP ultra 7100i is the first ruggedized moving camera to offer 4K ultra HD resolution, 12x optical zoom, and optical image stabilization. It withstands severe conditions, including high winds, 100% humidity, temperatures from -40° to +149° F, extreme vibrations, high impacts, and corrosive environments. Optically stabilized images maintain sharpness when the camera is subject to vibration, and even the built-in Intelligent Video Analytics technology is tough enough to maximize situational awareness in demanding environments.

MORE INFORMATION

Brivo ACS100

The Brivo ACS100 is a combination reader/controller supporting LEAF, MIFARE, mobile credentials and the ability to add a second optional peripheral OSDP reader. It offers a secure cloud connection, easy installation and lower costs for single-door and remote edge applications. The ACS100 introduces Brivo Fluid Access, allowing users to unlock doors with mobile credentials by simply touching the reader, without removing their phone from their pocket. The PoE powered units are indoor/outdoor rated and available in mullion, single gang and keypad versions.

MORE INFORMATION

BULLET RESISTANT FENCE

Bullet Resistant Fence

The increased frequency of shooting attacks on schools and targeted populations demands a bullet-resistant fence. Bullistic Barriers' patent pending bullet-resistant fence panel and core are designed to absorb the energy of an AK-47 bullet. For lower velocity handgun ratings, the surface also minimizes ricochet. The fence is also rated for crash resistance to M50 P1. Built in the U.S., the fence is engineered with recycled content, with a non-VOC finish that can withstand AAMA-2604 criteria.

MORE INFORMATION

Continental CA4K
Access Manager App

CA4K Access Manager App adds another level of intuitive mobile control to Continental Access' powerful CA4K Enterprise Integrated Access Control Platform. It provides a Virtual Enterprise Workstation in every Security Manager's pocket, on any smart device, controlling personnel, threat levels, doors (1-32,000), wireless locks, elevators, entryways, and their lockdown (global/APB-area). CA4K App enables logged access via a customizable list of approved entry-points without a physical credential --Ideal for schools, hospitals, corporate- & multi-tenant residential buildings.

MORE INFORMATION

Kinetic™ by Camden 915Mhz Wireless Door Control Solution

Camden has introduced a wireless solution that will revolutionize the automatic door and access control market by offering the proven reliability of wired switches, at less than ½ the installation cost – without battery maintenance or hazardous waste! Kinetic™ 900Mhz. no-battery wireless switches are powered by the simple motion of pushing the switch – no need for wired or battery power. The 'Kinetic™ wireless transmitters are available in a wide range of Camden push plate switch models.

MORE INFORMATION

CW-SYS WIRELESS DRIVEWAY SYSTEM COMPONENTS

CW-SYS Wireless Driveway System

Cartell CW-SYS wireless system activates features of any security/home automation system when a car is detected. It only detects moving steel, which means no false alarms caused by animals and weather. When vehicles drive up, it can trigger on lights, cameras, and audible devices. When connected to a computer, it can interact with email, smart phones, and monitoring stations. It takes a reactive system and makes it proactive by announcing the arrival of every vehicle.

MORE INFORMATION

ClareOne Wireless Security and Smart Home Panel

The ClareOne Panel was designed to meet the security and smart home needs of dealers, builders, and homeowners. The incredibly slim panel features a contemporary design, includes an LTE radio for emergency cellular reporting, Wi-Fi, Ethernet, 433MHz radio, and Z-Wave Plus allowing integration with hundreds of today's most popular products. ClareOne works exclusively with Clare's robust backend platform, FusionPro; giving dealers access to customer data, alarm reporting, analytics, and more.

MORE INFORMATION

Visual Intelligence Control Center (VICC) with VisualC3 Mobile

The CloudScann Visual Intelligence Control Center (VICC) is a Cloud based Incident Management platform that gets it's information directly from the field using the VisualC3 suite of mobile applications which include See It Send It, Live Video Streaming, Dispatch and GuardMe. The software also provides Mass Notification functionality, Custom Reports and real time KPI dashboards. CloudScann uses a non-proprietary, open architecture platform that stores information in AWS. We can integrate 3rd party software applications and the platform is sold as a SaaS.

MORE INFORMATION

BACS SmartDoor

BACS SmartDoor is a full-scale security IoT door for any residence or workplace. SmartDoor includes biometric authentication for entry, utilizing face and/or touchless palm-vein to authenticate any person entering. SmartDoor also includes QR and PIN authentication for visitors to allow for temporary access as well as remote monitoring via smart phone and video display on the inside of the door for a real-time view of the exterior.

MORE INFORMATION
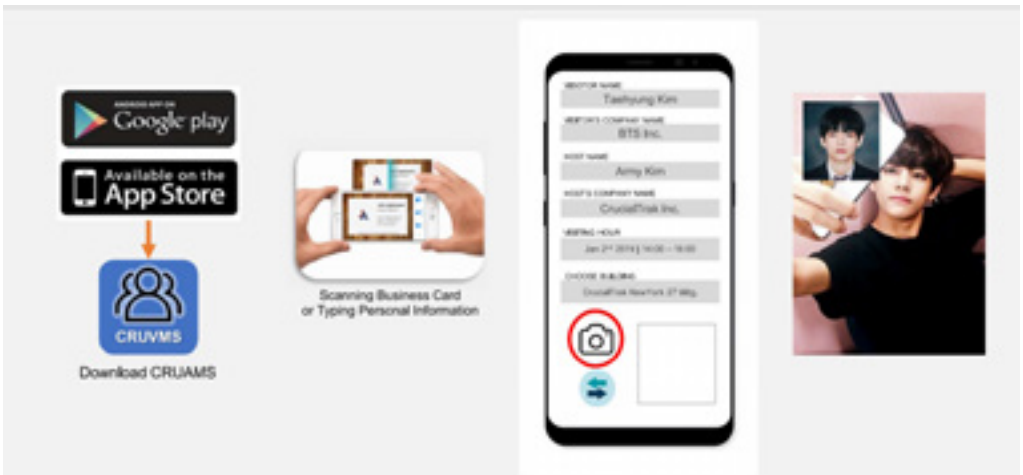
Visitor Management System

CrucialTrak's Visitor Management System is a cloud-hosted, mobile based application which allows building visitors to enroll their facial recognition template via mobile device prior to entering a facility. Building administrators can send invitations via email or SMS with time-limited access and once the user has enrolled their face using a "selfie" they will be able to access the building using CrucialTrak's BACS biometric readers. This seamless enrollment allows for a truly frictionless visitor experience.

MORE INFORMATION

Dynamic Tags Software Enhancement Module

CyberAudit-Web tags represent user-defined criteria that can be assigned to People and Locks. The Dynamic Tags Software Enhancement Module is an advanced feature for CyberAudit-Web that automatically grants and revokes access based on whether tag values satisfy defined rules. Tag criteria can be evaluated daily to ensure access is granted only to authorized personnel. For example, access can automatically be revoked upon expiration of a key holder's training certification, improving user safety and system security.

MORE INFORMATION

CyberKey Blue 3

CyberKey Blue 3, our third-generation Bluetooth key, is the most versatile CyberKey to date! With Bluetooth 5.0 technology, users can update access permissions from virtually anywhere using an Android or iOS app. Blue 3 includes a micro-USB port for convenient charging, whether in the office or on-the-go. With support for dynamic features like Delayed Activation and Variable Temporary Access, CyberKey Blue 3 is the ideal smart key for a mobile workforce!

MORE INFORMATION
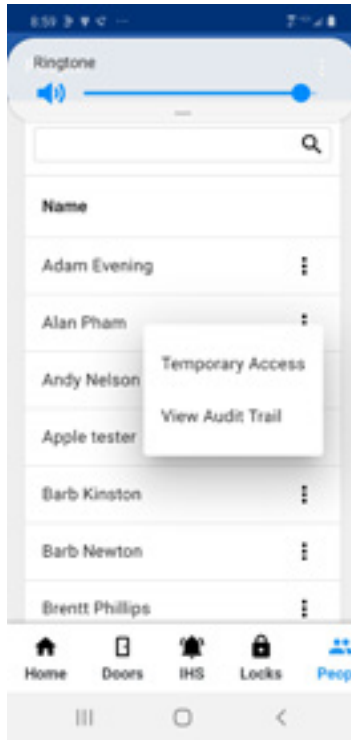
CyberAudit-Web Connect

CyberAudit-Web (CAW) Connect is an Android/iOS app that brings the power of CyberAudit-Web to your mobile device. Administrators can monitor CyberLock audit trails on-the-go, or grant temporary access to key holders from anywhere with an internet connection. With CAW Connect, your CyberLock system is never out of reach. And for CyberLock Flex System users, CAW Connect can manage hardwired doors by issuing a "request-to-open" command, canceling or resuming a "hold-open" schedule, or even triggering a lockdown.

MORE INFORMATION

BEST Switch™ Tech

Security directors often must make tradeoffs on what doors in their facility are digitally controlled due to cost. BEST Switch™ Tech is a cost-effective, quick-and-easy-to-install electronic control technology. Switch™ Core powered by Switch Tech, extends electronic access control to applications where is was previously not practical by offering a digital replacement for mechanical small format interchangeable cores (SFICs). Switch Core is ideal for retrofitting electronic control into existing doors on interior rooms, closets, cabinets and cases.

MORE INFORMATION
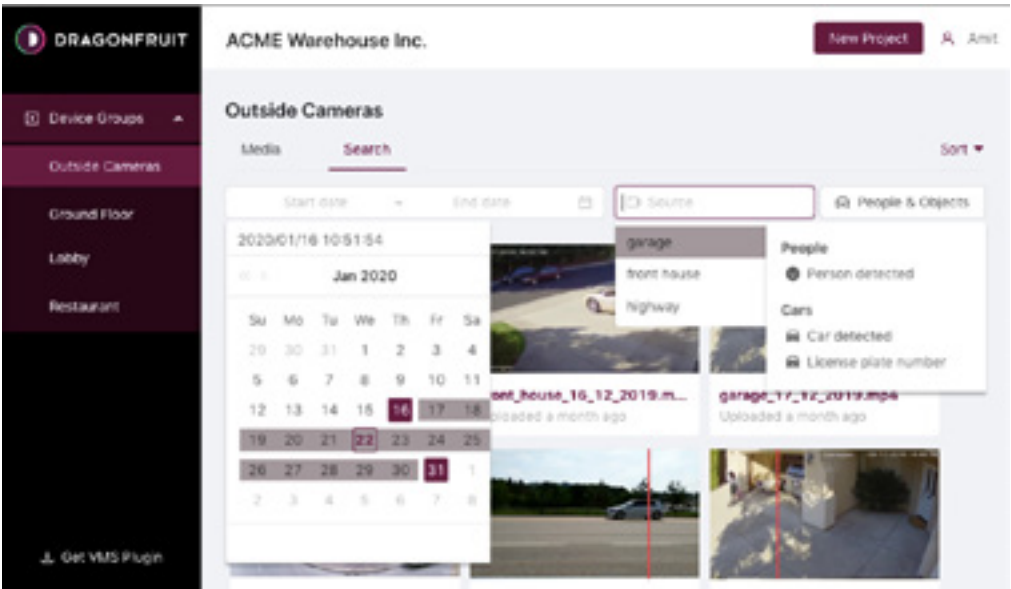
Dragonfruit LiveArchive

Dragonfruit provides an integrated cloud storage and video analytics solution. Our multi-platform ingestion plug-in seamlessly works with today's major VMS solutions. We offer optimized, high-throughput data transport and network management to upload large video data files from on-premise to the cloud. Our cloud-agnostic management technology helps customers save up to 10x on archival storage costs. Video compression and management ensure efficient storage of videos, while AI infrastructure and models allow for superior video data analysis.

MORE INFORMATION

Smart3D 360 Edge Analytics

ALIA is the world's first intelligent 360°, 3D camera with edge AI capabilities. It has a proprietary optics design which enables it to capture and stream live 360° panoramic stereo videos at a high frame rate with ultra low power and minimal hardware requirements. It comes with a built-in state of the art low power edge AI engine with features including surround obstacle avoidance, perimeter security and object tracking.

MORE INFORMATION

FDF2711W-IP

DuraVision FDF2711W-IP is a 27-inch IP decoding monitor that doesn't require a PC, software, or hardware to operate, greatly simplifying installation, saving time and labor costs. It maintains high frame-rates when streaming high-resolution video across multiple channels. Register up to 48 different IP cameras, including 4K to the IP decoding monitor through the intuitive web UI and view 32 channels of HD video with no artifacts or frame loss and the ability to decode 4k video.

MORE INFORMATION

TWN4 Palon Compact Panel Reader

Introducing the TWN4 Palon Compact Panel Reader from ELATEC. The Palon family of smart, multi-function readers are optimized for physical access control (PAC). They read all major transponder technologies globally--over 60, including HF and LF contactless RFID card technologies, Near-Field Commincation (NFC), and Bluetooth Low Energy (BLE) for mobile ID solutions. And, they are remotely updatable to support emerging market requirements.. The Palon compact OEM PCB module is perfect for integration into third-party products and devices. And it's attractive, highly customizable panel mount is ideal for PAC panels, elevators, parking systems, EV Chargers, kiosks and more.

MORE INFORMATION

FLIR Elara™ DX-Series Camera

The FLIR Elara™ DX-Series camera is a multi-spectral pan/tilt/zoom security solution that provides superior visibility and detection in the harshest environments. The camera comes with a thermal sensor, providing eight different thermal field-of-view options, as well as a 4K visible sensor with zoom up to 31x. Its available lens wiper/washer keeps lenses clean and clear in remote installations. Backed by an IP66 NEMA 4X rating, the DX-Series' ruggedized design ensures optimal functionality in extreme temperatures.

MORE INFORMATION

GIBRALTAR
the power of innovation
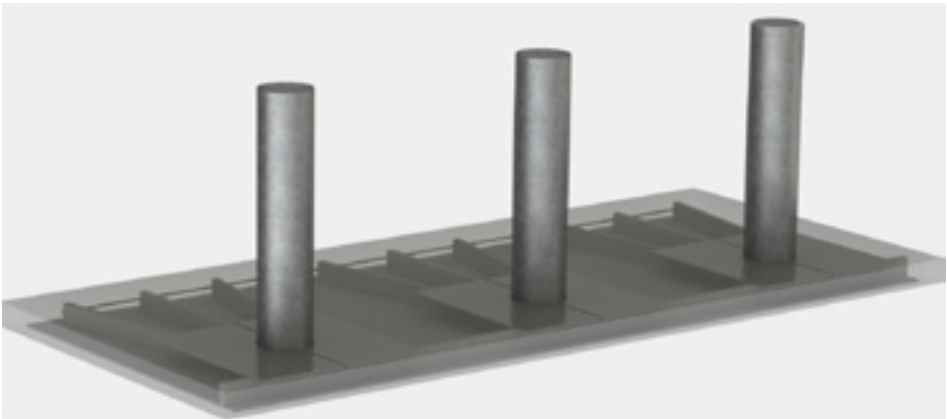
G-1441 Ultra-Shallow Bollard

Our patent pending system was tested and certified to ASTM F2656-15 M40 P1 test specifications as a single bollard. The unit is unique in that it requires only 5-inches (127mm) of excavation and requires no rebar for concrete reinforcement. The amount of concrete required, and rebar cost/labor will be significantly less with this system than traditional shallow mount and standard mount bollard arrays, giving a cost-efficient installation solution to end-users.

MORE INFORMATION

Hanwha
Techwin

PNM-9085RQZ

Hanwha Techwin's 4 x 5MP PNM-9085RQZ PTRZ multi-sensor IP camera offers motorized varifocal lenses and built-in IR illumination for each sensor. Focused on cost savings for both installers and end users, PNM-9085RQZ uses less cable, conduit and mounting hardware and requires fewer ports on the switch and VMS licenses due to their single IP connection. Each sensor supports remote PTRZ (pan, tilt, rotate, zoom) control for efficient installation and easy adjustment whenever needed. The PNM-9085RQZ includes WiseStream II compression technology and H.265 for reduced bandwidth and storage requirements.

MORE INFORMATION

HID Signo® Readers

HID Signo® readers set a new industry benchmark for the most highly adaptable, interoperable and secure approach to electronic access control. Supporting the widest range of credential technologies, HID Signo readers transcend the traditional approach to security by being designed to be connected and managed remotely without needing to physically touch each device. This functionality empowers access control systems to dynamically respond as new needs, configurations or as security enhancements arise.

MORE INFORMATION

Thermal-Optical DeepinView Network Turret Camera DS-2TD1217-2/V1

The DS-2TD1217-2/V1 combines wide-angle thermal and optical cameras and functions including thermal imaging-based fire detection, temperature monitoring, cigarette smoking detection, DeepinView human/vehicle intrusion detection and abnormal sound-level detection. The 160x120 VOx infrared module provides outstanding thermal image quality upscaled to 320x240 resolution with a dramatically downscaled cost. With a wide view and accurate alarms, this camera ideal for short-range perimeter defense, temperature monitoring and fire detection or prevention.

MORE INFORMATION

MAXPRO Access 2 (MPA2)

Meet stringent compliance requirements while reducing installation time and total cost of ownership with Honeywell's MAXPRO Access 2 (MPA2) intelligent access control panel. MPA2 is an access controller solution for 2/4 doors based on the latest OSDP technology providing bi-directional encrypted protocol for communication between control panel and reader. It offers easy click-and-done installation with push-in and RJ45 connectors for all wiring. MPA2 is MAXPRO Cloud supported and will offer easy scan-and-configure QR code configuration.

MORE INFORMATION

VisionPass

VisionPass fuses three independent imaging and sensor technologies into a single facial recognition terminal. This unique sensing architecture achieves high assurance frictionless access control across the widest range of real-world conditions, ranging from complete darkness to full sunlight, and with a wide capture area to accommodate all user heights. Robust NIST-benchmarked algorithms powered by AI (artificial intelligence) provide accuracy and advanced spoof detection on the move, to maximize throughput without compromising on security.

MORE INFORMATION

Hirsch Velocity Cirrus

Cirrus is a cloud-based Access Control as a Service solution. Users can control, manage, and update their Hirsch access control systems via a fast, simple-to-navigate web user interface. Dealers can now deploy ACaaS services with the full range of advanced Hirsch Velocity and Mx Controller-enabled features. Customers can choose core or advanced features, including government-grade, secure connectivity between hardware and server, Mx Controller support, alarm/event viewer, enrollment manager, customizable reports and threat levels and more.

MORE INFORMATION

DC-C4212RX Full HD micro-dome camera

IDIS's compact DC-C4212RX micro-dome is a great new choice for discrete up-market surveillance, packing its exceptional IR and WDR performance into a single, unobtrusive housing. Unlike typical domes, IR image quality with this micro-dome isn't degraded by diffused reflection – it stays sharp. True plug-and-play camera-to-NVR connection speeds set-up to under 2 minutes. And, minimizing cybersecurity risks, these fully Korean-made cameras don't need manual password entry, eliminating human error. Plus, the three-axis mechanical design maximizes installation flexibility.

MORE INFORMATION

HALO IOT Smart Sensor 2.0

The security device for privacy areas, now incorporates spoken/keyword alerting. Individuals under duress can utilize a keyword to alert security for help in privacy areas without a camera. Patients, Hotel Staff and dormitory students can immediately alert security staff when help is needed. Gunshot Detection and advanced Audio Analytics are now enabled and can trigger a lockdown. These features were added to the prior award-winning product built on chemical, environmental and basic audible level sensors.

MORE INFORMATION

AI NVR Edge Analytics

IronYun AI NVR Edge Analytics is a compact, low-cost, all-in-one module with multiple deep-learning-based video analytics functions for smart monitoring and processing at the edge. AI NVR Edge Analytics is designed for plug and play in existing surveillance networks. The module connects to any ONVIF-compliant IP cameras and turns them into AI-enabled cameras with video analytics capabilities, including object search, intrusion detection, face recognition, ANPR/LPR, weapon detection, smoke/fire detection, and abnormal event detection. The AI NVR edge appliance can be used on the edge with any IP camera with real-time alerts sent to central station for alarm monitoring.

MORE INFORMATION

Jemez Technology
(Eagle I Enterprise VSAAS)

Jemez Technology is announcing their Eagle-i Enterprise™ AI platform, a scalable deep learning AI-based video verification solution for central stations and monitoring centers that provide video-based monitoring services. This solution offers monitoring service providers the ability to dramatically reduce false alarm volume at the central station, greatly improving personnel effectiveness and efficiency by focusing staff only on actionable activity. The system is fully integrated inside SureView Systems' Immix® CS automation platform.

MORE INFORMATION

Kidde Optica Smoke Detectors

The Kidde Intelligent Optica smoke detectors from Kidde are engineered for modern materials and environments. Optica's state-of-the-art sensor technology differentiates between burning food, steam and multiple types of fires. Optica sets the standard for intelligent response to today's threats and the Optica sensor technology was the first multi-criteria detector in the industry to be certified to the UL standard for Fire Alarm Systems UL 268, 7th edition, set to take effect in June, 2021.

MORE INFORMATION

Leica Geosystems BLK 247, part of Hexagon

The BLK247 from Leica Geosystems, part of Hexagon, is a first-of-its-kind reality capture sensor for building security and operations. It is the latest product in the company's BLK product line, a collection of reality capture, scanning, and photogrammetry hardware and software. The BLK247 offers continuous, 24/7 LiDAR-based 3D monitoring and change detection within spaces. It does this using LiDAR, 3D digital fencing and continuous scanning to monitor buildings and spaces 24 hours a day, 7 days a week. The digital fencing is used to protect valuable objects by creating digital barriers around the space. Designed with situational awareness in mind, the BLK247 is capable of differentiating between still and moving objects and is ideal for locations that must be continuously monitored and protected. For example, an unattended bag at a busy airport can be quickly identified and security staff alerted, both visually and audibly, of its presence and location. Since the BLK247 is an intelligent device, it can alert appropriate staff of physical changes, expected or unexpected, within a space. It can also help reduce a security team's reliance on staffed video surveillance and the requirement of reviewing clips after an incident has occurred.

MORE INFORMATION

medeco®

ASSA ABLOY

All Weather Padlock

The All Weather Padlock (AWP) is a hefty stainless steel addition to Medeco's line of high security padlocks designed for installations requiring reliable, rugged service performance under the most extreme weather conditions. It is ideal for outdoor perimeter security gates, storage lockers, cargo containers and transportation trailers. The AWP's body is solid stainless steel with either a stainless steel or hardened boron alloy shackle, and includes a weather cap to keep the keyway or electrical contacts clean and dry.

MORE INFORMATION

M73

The M73 is an entire video surveillance solution, housed within a single decentralized IoT device. With its modular design, the M73 can facilitate multiple types of image and environmental sensors, and 2-way audio. It's an ONVIF compliant platform designed from the ground up using quad core processing, 4K image sensors for custom applications at the edge. Combine powerful analytics with programmable logic to create some of the most effective solutions in the industry.

MORE INFORMATION

iSecure
Systems by Napco

iSecure™ Complete
Cellular Alarm Systems

The iSecure™ Complete Cellular Alarm System guarantees the lowest equipment cost and fastest professional installation (in under an hour) all programmable from your phone. Starting at $79.95 net, the iSecure complete all-in-one kit includes a wireless LCD keypad, wireless PIR and 2 wireless door transmitters and Smart App with notifications. The iSecure's Go-Anywhere™ Hub includes a built-in StarLink cellular/IP LTE communicator, 85dB siren and RF-receiver. Available options include 4.3" or 7" Touchscreen, Z-Wave controller.

MORE INFORMATION
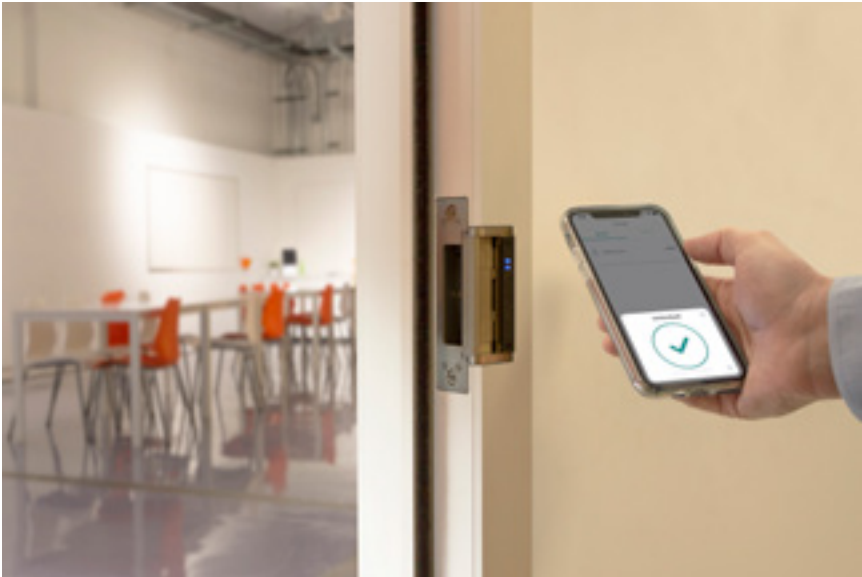
Nexkey Solo™

We are starting a new decade with a revolution in access control, driven by simplicity through technology. Meet Nexkey Solo™, the world's first wireless, battery powered smart door strike that is cloud connected and managed through the smartphone. Instead of wasting hours installing electric strikes, wiring them to outdated control panels and readers, integrators can deploy a sophisticated access control system in minutes instead of hours or days. Installing a Nexkey Solo is as simple as replacing a standard door strike. Nexkey Solo provides a new level of simplicity to access control never seen before, for installers and users alike.

MORE INFORMATION

Single Door Controller

The Openpath Single Door Controller supports two Openpath readers with two relays for locking hardware or other outputs. Relays can be configured as dry, or 12V/24V out when wet. Powered with PoE, PoE+, or external 12V or 24V input, the controller has eight reconfigurable inputs for contact sensors, REX, Wiegand devices or generic inputs, with support for user-installed single or double end-of-line (EOL) supervision. Wall or single-gang box mountable. Touch and Triple Unlock features.

MORE INFORMATION
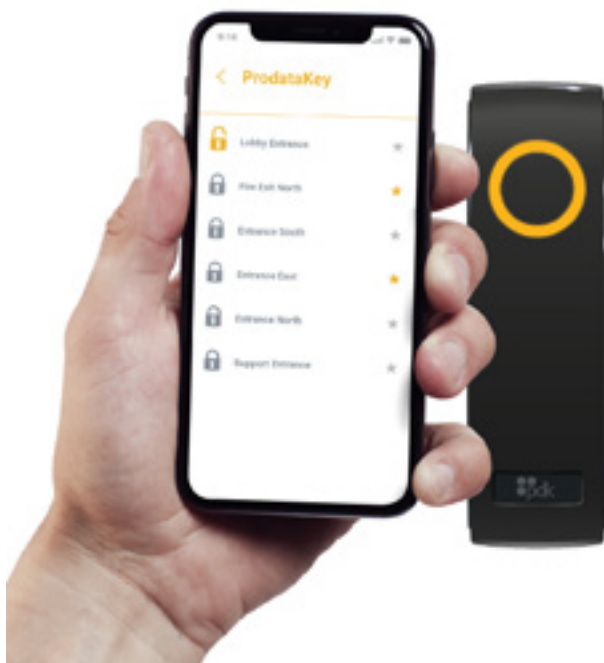
Touch io Mobile Access Control

Pdk's new touch app provides and a more convenient and higher-level of security by using your smartphone as a credential. Touch allows users to keep their phone in their pocket while simply touching the reader for hassle-free entry. Administrators can issue an unlimited number of mobile credentials, which generate and assign to employees in seconds with just a few clicks in the app. In addition, the touch app also provides employees or tenants remote access to their doors with the push of a button!

MORE INFORMATION

pdqSMART-STS
Mobile Validated Access Control

Access Control Made Easy. Mobile, wireless, simple, quick-to-install and affordable - that's pdqSMART-STS. NO Wiring, NO Control Panels, NO Servers and NO big budgets required. Users and administrators enjoy the convenience of locking with a smartphone, real-time mobile validation, cloud-hosted portal, audit trails, scheduling, remote operation, notifications, firmware over-the-air updates, AES 128-bit encryptions and more! For the cost of one traditional hard-wired access control opening, users can outfit four doors with access control using pdqSMART.

MORE INFORMATION

Spectra Enhanced series 7 PTZ IP Camera Systems

Pelco's Spectra Enhanced 7 PTZ IP Cameras are the latest product evolution in the legacy Spectra family providing fast and accurate pan and tilt, 30X optical zoom, up to 2 MP 60 FPS video, with next generation Surevision and deep learning capabilities. • 130 dB WDR • Low Light 0.02 lux • Direct Drive Pan/Tilt up to 700°/sec • Image Stabilization with Gyro • Built-in Analytics Suite, Deep Learning Capable • H.265 and Pelco Smart Compression • Vandal Resistant IK10

MORE INFORMATION
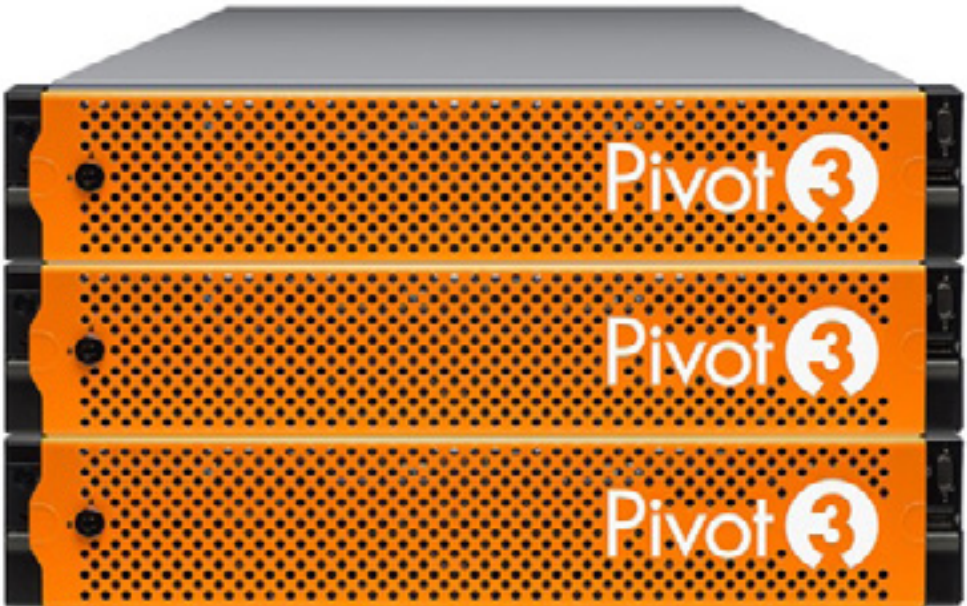
Pivot3 Virtual Security Operations Center

The Pivot3 Virtual Security Operations Center (Virtual SOC) is designed to address the need for security teams to access client workstations running video surveillance and other related systems in multiple locations without using expensive, dedicated client workstation hardware. With the Pivot3 Virtual SOC, security teams can now get fully functional security workstation capabilities – including video surveillance, access control, PSIM, and other security-related systems – on more devices, more securely and more cost effectively than desktop workstations.

MORE INFORMATION

Rajant BreadCrumb® DX2

Crafted in 100% magnesium and weighing only 123g, the DX2 is Rajant's smallest and lightest BreadCrumb to date and is especially ideal for drones. It is Rajant's single-transceiver, MIMO-antenna system, frequently used in private wireless networks, and is fully compatible with the other BreadCrumbs in the Rajant product portfolio line. As a result, the DX2 can be combined with Rajant's LX5, ME4, and ES1 models to form a total mesh solution. Additionally, a hidden USB connector, to be used for GPS or TRoIP, lies behind a rear black rubber plug. With its small lightweight size, the DX2 can be used for an infinite number of locations in addition to lightweight autonomous vehicles. Its small footprint and very low payload weight make it ideal for drone swarms, remote CCTV, telematics monitoring, and most things mobile.

MORE INFORMATION

rapidSMS

rapidSMS notifies customers instantly of an alarm via text message with the information needed to make critical decisions in real time. This Dealer brandable, app-free solution is compatible with all mobile devices, alarm systems and modernizes legacy systems. A link in the rapidSMS message takes customers to an interactive window allowing them to quickly cancel the alarm, request emergency dispatch, chat with other contacts and contact the monitoring center or their Dealer for service requests.

MORE INFORMATION
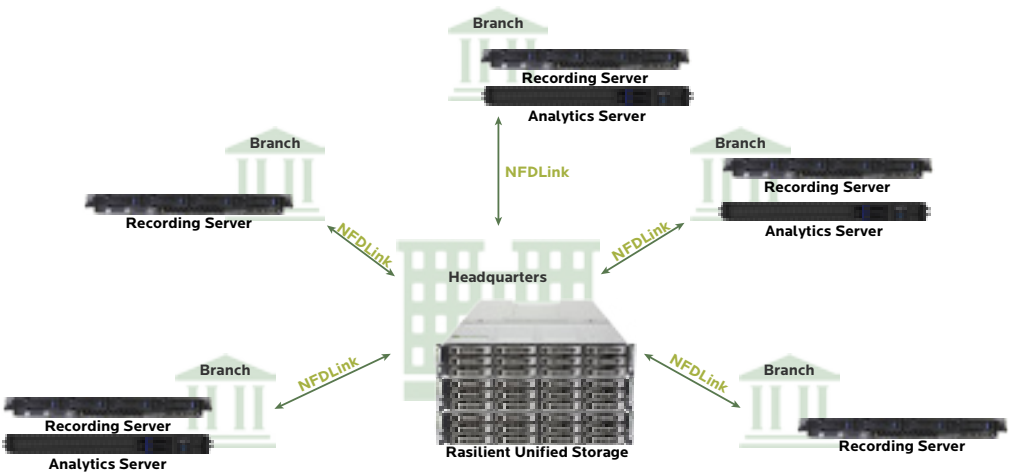
NFDCloud

NFDCloud is a VMS agnostic cloud storage platform for deployment of public or private cloud services. It allows video files to be reliably uploaded from edge NVRs without dropping a frame using commonly available internet, cellular data, microwave, or satellite data services for applications such as video uploading from remote or mobile surveillance sites to central storage.

MORE INFORMATION

EdgeState

EdgeState is the cloud-based platform for smart lock management and access control. The software provides complete access control for properties of any size and controls Wi-Fi and Z-Wave smart locks direct from the cloud without the need for a control panel. For applications that require a mix of hardwired access control and wireless locks, EdgeState can control both panels and wireless locks from a single platform to manage all door types, credentials and lock-specific needs.

MORE INFORMATION

Aperta IP Device Controller

The Aperta IP Device Controller with PoE+ support is designed to interface with OSDP, Weigand and the Matrix Frontier family of card readers. The hardware design implements the industry standard Smart Mobility Architecture (SMARC) supporting System On Modules (SOM) with up to 4 cores and up to 4 GB of onboard memory and the de facto standard Yocto open source Board Support Package (BSP). Aperta is the first hardware and software upgradeable and truly open architecture in the Access Control space.

MORE INFORMATION

Secudium IoT

Secudium IoT is a "Converged Security Platform for Multi-Threat" that responds to new digital security threats by all digital information incoming from Physical/IT/OT security system in a single platform. Aiming to "Secure everything that is connected", our platform provides for collecting, analyzing and managing of all kinds of data. We produce integrated intelligence for converged security and provide optimized security services for various industries such as smart factories, smart retails, smart city, etc.

MORE INFORMATION
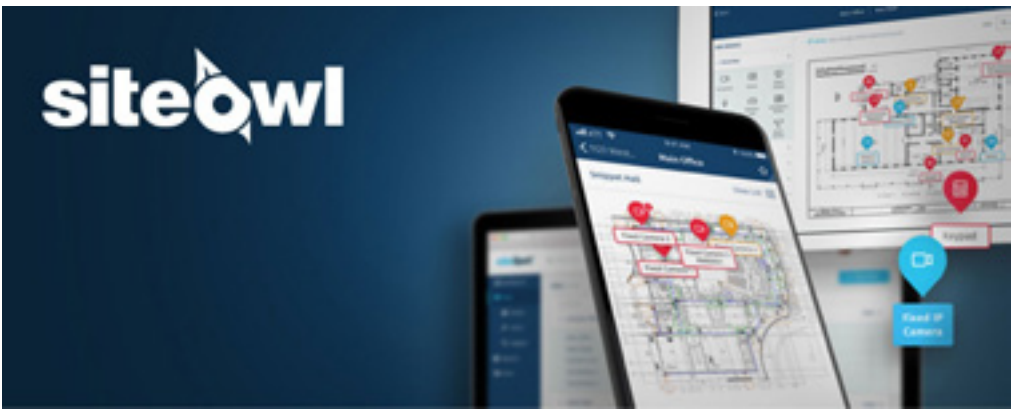
SiteOwl

SiteOwl transforms how organizations manage their security system infrastructure, installations and teams. The integrated suite of mobile and cloud-based applications provides security managers and integrators with unparalleled visibility, control and efficiency. Key capabilities: - Efficiently manage multiple security systems and thousands of devices - Swiftly monitor and resolve service issues via dashboards and a quick ticketing system - Eliminate guesswork when planning upgrades using integrated digital design tools - Enhance project collaboration between security managers, integrators and subcontractors.

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MORE INFORMATION

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NetXpert XG

NetXpert XG is the first tester that can prove copper/fiber cable performance up to 10G, run a variety of POE tests, and help manage the full network through a full suite of active network tests. It compiles the variety of capabilities in one software platform that allows delivery of a professional report to customers. The NetXpert XG uses network keys to unlock capabilities to allow it to grow with companies as they expand their services.

MORE INFORMATION

SIVI™ - Splan Intelligent Visitor Insights

Splan brings Artificial Intelligence (AI) and Machine Learning (ML) to its industry leading Visitor Management system for complete Security Risk Management. Applying AI and ML enables organizations to aggregate past information with real-time events to derive insights, project trends and ascertain risks. Organizations can enhance security operations, alert on anomalies for repeat visitors and watchlists; predict problem visitors while linking them to specific hosts; and manage visitor access to restricted zones via Access Control integration.

MORE INFORMATION

Airfob Patch

Airfob Patch is the world's first mobile-to-RF-card-signal translator, enabling mobile phones to communicate with the existing RF card readers. Wire, batteries, nor construction is required for installation. Airfob Patch charges itself by using the existing RF field signals transmitted from the RF reader. It transforms the RF fields into its own power-source. Take advantage of the Energy Harvesting technology of the add-on device. It is the easiest way to start Mobile Access.

MORE INFORMATION

Serial Pro Wireless Bridge

The Sure-Fi Serial Wireless Bridge for Access Control, credentials are securely transmitted over our 900 MHz Radio from Endpoint to Controller. Works with RS-232 and RS-485 with 2 relay outputs (Wet or Dry). The Sure-Fi Radio is so robust, you can transmit from inside any enclosure to your control panel, even if it's a mile away. With built in acknowledgments and retries, you can know that your connection is as sure as a wire.

MORE INFORMATION
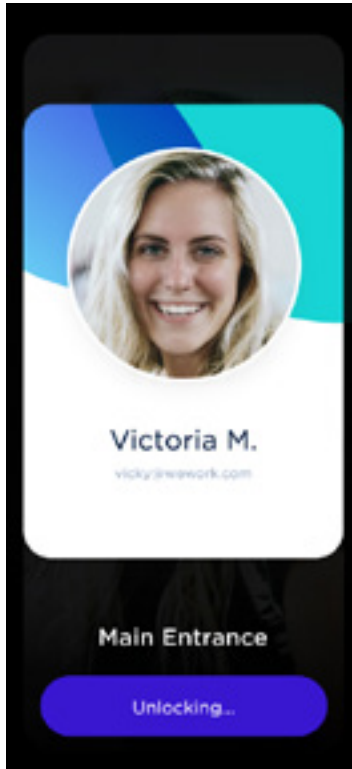
Swiftlane Access Control

Swiftlane is a modern access control solution for your buildings. With Swiftlane, simply walk up to a door, look at the Swiftlane access point, and the door unlocks using face recognition. You can also use our mobile app to unlock the doors. Swiftlane provides a seamless management experience through a cloud dashboard.

MORE INFORMATION

L-Series Low Frequency AV Notification Appliances

The L-Series offers the most versatile and easy-to-use line of low frequency sounder and sounder strobes in the industry. With white and red plastic housings, listed for wall and ceiling, L-Series Low Frequency can meet virtually any application requirement. The low frequency sounder and sounder strobes were designed to address the NFPA 72 sleeping space requirements that require a low frequency notification appliance that operates within frequency range of 520 Hz ± 10% and is of a square wave tone.

MORE INFORMATION

Thermal Radar

Thermal Radar is a 360 degree detection system using continuous coverage with a thermal sensor. When Thermal Radar generates an alert it slews a PTZ to cue and generates an alert in the VMS.

MORE INFORMATION

TDSB35

Great all-in-one solar solution with a 35Ah built-in lithium-ion battery pack is ready to supply power 24/7 to our new IP 4G LTE camera or to a regular IP =< 1Ah Camera + our TD point to point radio transmitter. Cost effective, easy to install complete solar solution.

MORE INFORMATION

NowForce

Verint NowForce is an advanced dispatch and response technology that fuses critical data and immediately provides comprehensive situational awareness. The system allows dispatchers, responders and 3rd party resources to share insights in real-time for better understanding and faster response to potential threats and active incidents. Utilizing live and historical event data, coupled with GIS maps, responder positions, reporter inputs, and other external source information, security teams can dispatch the closest, best equipped and most appropriate personnel.

MORE INFORMATION

Watch Tower Observer

The Observer is a turnkey mobile video surveillance system that comes with a high-performance IP dome camera. Mounted on a very compact trolley it provides an easy and rapidly deployable solution. This very light and versatile lithium-ion battery powered unit is the only eco-friendly product of its kind on the market. It can be used as a standalone solution and accessed remotely using cellular or WI-FI. It can also by integrated into a VMS. The Observer includes various elements to protect it from tempering. It is perfect to use for short-term surveillance applications such as special events, emergency response or any off-the-grid locations where security/surveillance is required

MORE INFORMATION

VOSKER
MOBILE SECURITY CAMERAS

V300 - Solar Powered LTE-based Mobile Video Security Camera

VOSKER V300 is a completely autonomous and portable video surveillance camera that provides an affordable solution to remote area monitoring where access to electricity and Wi-Fi network is limited. This solar powered LTE-based cellular security camera introduces on-demand live video streaming capabilities and enables motion activated video recordings to the user's phone. Powered by AI technology, Vosker's mobile app leverages image recognition to send smart alerts to the user, right at his fingertips.

MORE INFORMATION

Yale Assure Lever Lock – Connected by August

The Yale Assure Lever – Connected by August is a tamper-proof, non-deadbolt option for homeowners. It brings the convenience of a smart lock past the front door and into the home by allowing homeowners to protect single-hole doors such as side entries, garages, basements, and interior doors. The lock can be integrated into most major smart home systems and with the Connected by August Kit, can be controlled remotely from any smartphone.

MORE INFORMATION

SF1008-WP

ZKTeco SpeedFace model SF1008-WP is a high-performance face recognition reader used primarily in access control applications. It's IP68 and IK04 ratings (dust, water & vandal resistance) ensure its reliable operation even in the most hostile environments. SpeedFace combines a powerful dual embedded camera (infra-red and visible lights lens) and ZKTeco's latest face & demographic recognition algorithm supported by an optimized dual-core processor. SpeedFace is unmatched in accuracy, matching-speed and versatility. Advanced security and convenience, all on a single affordable platform.

MORE INFORMATION

■ **ACCESS CONTROL SOFTWARE, HARDWARE, DEVICES & PERIPHERALS – WIRED**

Electronic systems software, panels and devices used to monitor and/or control physical access points and manage databases and/or field hardware for the physical control and tracking of personnel access to facilities or other controlled assets. Includes stand-alone, networked, virtual / cloud, and appliance-based systems, readers, turnstiles, electromechanical portals, REX devices, lock releases, power supplies, and other access control door peripherals. Excludes wireless solutions.

■ **ACCESS CONTROL DEVICES & PERIPHERALS HARDWARE – WIRELESS**

Products defined in the Access Control Software, Hardware, Devices & Peripherals category that operate or transmit data via wireless protocols (e.g. RF, Bluetooth, Low- Energy Bluetooth, Microwave, WiFi, NFC, laser).

■ **ANTI-TERRORISM / FORCE PROTECTION**

Products that reduce the vulnerabilities, risks, or consequences of threats associated with brute force attacks or other hostile actions against personnel, facilities, and critical information. Products in this category may include barriers, fences, or specialized materials that deter, detect, delay, or otherwise mitigate the effects of threats such as WMD(s), IED(s), ballistics, vehicular attacks, or other weapons.

■ **BIOMETRICS**

Hardware and / or software used in the verification of identity for the purposes of access authentication or denial through the analysis of a person's face, iris, retinal, finger, hand, vein, or other anatomical / physiological features. May be a stand-alone, networked, or hosted / cloud-based solution and work in conjunction with other measures for multi-factor authentication, e.g. physical credentials, codes, or analytical feature-sets such as behavioral traits.

■ **COMMERCIAL MONITORING SOLUTIONS**

Hardware or software designed for use in the execution of security system monitoring or commercial applications. A monitoring product may be designed for use in the central station or locally by the user. Examples include alarm monitoring software and hardware, central station monitoring and video verification software.

■ **COMMUNICATIONS AND NETWORKING SOLUTIONS**

Wired or wireless communication/signal transmission / networking solutions using any medium that provide more efficient, translation / conversion, cost effective, faster, reliable, distance and/or enhanced security in support of security systems / operations. This includes but is not limited to monitoring, command and control, detection, supervision, signal conversion, and/or technology enhancements. Qualifying products might also leverage existing communications models like OSDP.

■ **CONVERGENCE AND INTEGRATION SOLUTIONS**

Innovative solutions that enable integration between security systems, BMS / BAS, fire / life-safety, and / or IT environments, as well as products that support the features and benefits of multiple technologies operating together to appear as a single solution or data stream for the user. This includes but is not limited to the integration of a physical security system(s) with logical systems. Solutions will ultimately produce actionable intelligence or other information not available through one system or another, or effectively create automated efficiencies that cannot be realized by one of the systems alone.

■ **DATA AND SYSTEMS SECURITY**

Software applications, utilities, or hardware designed to promote the security of security by reducing vulnerabilities to cyber security breaches, failures in logical security measures, and/or the protection and encryption of security systems related data (in transmission or at rest), networking and / or communications. This includes active or passive measures for the control, monitoring, tracking, identification, or blocking of attacks/breaches, and/or bridging of logical and physical security systems. Solutions may include but are not limited to overall protection of data, threat detection and mitigation, compliance assurance, or change management and tracking.

■ DESIGN, DIAGNOSTIC, AND INSTALLATION TOOLS

Products and / or services that support the design, installation, testing, diagnostics/ troubleshooting, or operation of a security products or systems. This includes software programs, mobile system utilities, pre-application verification tools, wire/cable testers, installation tools, connectors, electrical performance/analysis, RF signal strength and analysis, and any other appurtenance to assist in the design, installation, diagnostics or maintenance of security systems and related support hardware.

■ EMERGENCY AND MASS COMMUNICATION SYSTEMS

Products in this category are designed to facilitate notification of security, life safety, and critical customer messaging. Solutions may utilize various digital messaging technologies (such as email/text alerts, PC based messaging components), live or recorded voice communications, and various forms of message presentation/annunciation. Communications may be targeted to select groups of recipients based on static/dynamic parameters or to the general public. Products may include hardware, software, devices or services.

■ EMERGING TECHNOLOGIES

Solutions imagined to be the next big product or service to advance or revolutionize the security industry. Solutions will be judged on their innovation and response to industry trends / needs (realized or projected), either as a direct-to-consumer / dealer or OEM channel product. This category may also apply to core technologies from other industries that are being effectively applied to the Security and Life Safety markets. Products must be showcased in the Emerging Tech Pavilion at ISC West and a functional prototype of the product entry must be made available by the start of ISC West.

■ ENVIRONMENTAL MONITORING SYSTEMS

Systems, sub-systems or devices used in the detection of chemical, biological, and/or radiological elements/materials considered to represent possible life-safety hazards. This includes actuating devices, control devices, detectors, processing equipment or warning systems.

■ FIRE / LIFE SAFETY

Solutions designed primarily for fire prevention, detection and notification. This includes fire controllers, smoke/heat detectors, sirens/annunciators, keypads, pull stations, sprinkler systems and voice evacuation systems. Solutions may operate via hard-wire or wireless protocols.

■ HOSTED SOLUTIONS / MANAGED SERVICES

Products and / or services for monitoring, management, storage, and intelligent control of security/life safety applications that eliminate the need for traditional on-premises client/ server computing resources. These products may also enable an external provider to manage some or all of the required systems administration and maintenance tasks for a security operation. Solutions may be network-based systems or "Cloud" services that provide various physical security system functions, security-related IT functions (e.g. archiving, data storage, raw computing capabilities) or comprehensive integrated security/facility management functions (programming, diagnostics, or repair support) through the use of virtualized and/or dynamically allocated resources ; public or private.

■ IDENTIFICATION MANAGEMENT AND CREDENTIALING (NON-BIOMETRIC)

Products shall include hardware and / or software used to facilitate the authentication of users and the provisioning of access credentials through manual or electronic means. Products shall support the creation / production and / or management (i.e. tracking, distribution, provisioning, programming, or maintenance) of user credentials and the information associated with and / or stored on the credential. Products may include but not be limited to cards, fobs, readers, keypads, printers, and software management solutions and may support multifactor authentication or enhanced use / security using multiple technologies, improved communications, encryption, or other means. Excludes biometric-centric devices.

2020 AWARD CATEGORY DEFINITIONS

- **INTRUSION DETECTION AND PREVENTION SOLUTIONS (PHYSICAL) – WIRED**

  Technologies used to detect and/or prevent unauthorized entry into a secure area; indoors or outdoors. This includes electronic systems and devices that support or interface with primary monitoring or command and control systems, as well as annunciators, arm / disarm stations, bells and sirens, and control communications. Products or software solutions engineered to reduce the occurrence of false alarms. Excludes wireless systems.

- **INTRUSION DETECTION AND PREVENTION SOLUTIONS (PHYSICAL) - WIRELESS**

  Products shall meet the definition for Physical Intrusion Detection and Prevention Solutions category but shall operate via wireless / non-wired protocols / mediums.

- **KEY / EQUIPMENT ASSETS MANAGEMENT SOLUTIONS**

  Hardware and / or software specifically designed to manage keys or other assets through secure storage, assignment and use tracking, and reporting. Products may include secure storage containers (safes, cabinets, racks) or software programs.

- **LAW ENFORCEMENT / PUBLIC SAFETY / GUARDING SYSTEMS**

  Products shall support the efficacy of law enforcement, public safety, guarding, or the protection of personnel in the performance of these duties through increased speed, improved reporting, or enhanced management of processes. Products may include hardware or software and can be wired or wireless.

- **LOCK AND KEY SOLUTIONS**

  Mechanical devices, electro-mechanical locks, door hardware products or other security hardware, including mechanical computer locks, keyless locks, computer-activated key locking, and other hardware used for the security and safety of persons, materials or property.

- **LOSS PREVENTION AND ARTICLE SURVEILLANCE SOLUTIONS**

  Solutions that provide functions of article surveillance, inventory control or shoplifting deterrence and detection. Products may include wireless or wired devices, software, or other methods and means of reducing physical or intellectual property theft.

- **MOBILE SOLUTIONS (CONNECTED)**

  Applications running on a variety of mobile platforms (e.g. Android, IOS, Windows) that provide various monitoring, productivity, or management functions for access control, video, identity management, location services, or incident notification or response supported by a hosted application through wireless communications. Excludes stand-alone applications.

- **MOBILE APPS (STAND-ALONE)**

  Applications running on a variety of mobile platforms (e.g. Android, IOS, Windows) that provide various monitoring, productivity, or management functions for access control, video, identity management, location services, or intrusion security systems or sub-systems. These applications will reside on the mobile device and shall not be dependent on wireless connectivity to a host solution but may use feature-sets of the device such as GPS to facilitate their operation. Excludes host-software connected applications.

- **PERSONAL PROTECTIVE EQUIPMENT**

  Garments or equipment designed to protect the wearer's body from injury. Hazards addressed by protective equipment include physical, electrical, heat, chemicals, biohazards, airborne particulate matter.

- **SMART HOME SOLUTIONS**

  Hardware and / or software products (wired or wireless) that provide homeowners a higher level of convenience, safety and security. Products may include audio/visual, communications (voice, IT networks, or data transmission), lighting and lighting controls, environmental monitoring and controls, various exterior subsystem control, and security technologies. Solutions may provide customizable logic rules and may include various levels of interface / integration to dedicated security systems or mechanisms for customer notification/messaging, and may support remote command and control via mobile or web-based interfaces.

■ **THREAT / RISK MANAGEMENT SOFTWARE APPLICATIONS**

Stand-alone or integrated software applications used to identify threats / risks to the enterprise and provide actionable intelligence or instruction to the user to mitigate the risks and/or consequences to their operations through data sharing, data analytics, visual recognition, and/or mapping.

■ **UNMANNED – DRONES & ROBOTS**

Aerial or ground vehicles / robots, or other unmanned mobile equipment solutions of all classes and categories that operate autonomously or via remote control to provide support of security operations through the use of visual, audio, and/or other sensors. Products may also include hardware or software that aid in the operation or integration of these solutions into the security enterprise.

■ **UNMANNED – DRONES & ROBOTS DETECTION / PROTECTION**

Products that lawfully detect, track, interrupt, and / or defend against surveillance or trespass by aerial or ground vehicles / robots, or other unmanned mobile equipment solutions of all classes and categories that operate autonomously or via remote control.

■ **VIDEO ANALYTICS**

Video products engineered to autonomously gather, access, and analyze video data in relation to a pre-determined set of criteria to identify and evaluate authorized and / or unauthorized activity or behavior through simple algorithmic rule-sets or artificially intelligent means. Products may be software or hardware-based, may be integrated into other products such as cameras and may be used in real-time or forensic applications.

■ **VIDEO SURVEILLANCE ADVANCED IMAGING TECHNOLOGIES**

Cameras that provide advanced video capture technologies, such as thermal imaging, night vision, infrared, and radiometry.

■ **VIDEO SURVEILLANCE CAMERAS (HD / MEGAPIXEL)**

Cameras of any resolution that provide high-definition video images for live or recorded use via network (e.g., Ethernet, IP) or direct cabling methods (e.g. coaxial, NTP). Products may include single or multi-sensor units.

■ **VIDEO SURVEILLANCE DATA STORAGE**

Hardware, software, or virtual solutions for the storage of video surveillance data that introduce a new level of innovation of performance or user benefits (e.g. increased storage density, reduced cost(s), enhanced data management (storage or retrieval), redundancy / fault tolerance, or others)

■ **VIDEO SURVEILLANCE HARDWARE AND ACCESSORIES**

Video accessories such as monitors, lenses, positioning devices, mounts, enclosures or consoles that introduce a new level of innovation or user benefits (e.g. ease of installation, maintenance, reduced cost(s), enhanced ergonomics, or others)

■ **VIDEO SURVEILLANCE MANAGEMENT SYSTEMS**

Hardware and software video management systems, including NVR, DVR, HVR, and virtual solutions for the management, display and distribution of video surveillance data.