



UNIFIED VIDEO, ACCESS & SECURITY SYSTEMS



END TO END, ENTRY TO ENTERPRISE,
UNIFIED VIDEO, ACCESS & SECURITY
SOLUTIONS

INNERRANGE.COM



ABOUT US

Inner Range is a manufacturer and integrator of unified Video, Access Control and Security solutions. Founded in Melbourne, Australia, Inner Range has over 35 years of innovation and has more than 150,000 systems deployed globally.

We manufacture end-to-end solutions from the card you badge at one of our readers to the controller securing the door, right through to the enterprise security management software monitoring multiple sites anywhere in the world. Our scalable products are suitable for high-end residential, commercial and enterprise sites across verticals such as education, healthcare, government and critical infrastructure.

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We are passionate about empowering our customers to protect what they value most, their property, their possessions and most importantly – their people.

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Inner Range offers our partners a range of competency-based training courses to ensure the best experience with our products and outcomes for their customers. Additionally, our global support team ensures that any issues are resolved quickly with minimal impact to the end user.

From entry to enterprise, Inner Range provides an end-to-end security solution capable of addressing the most difficult building management needs, providing peace of mind for you and your people.

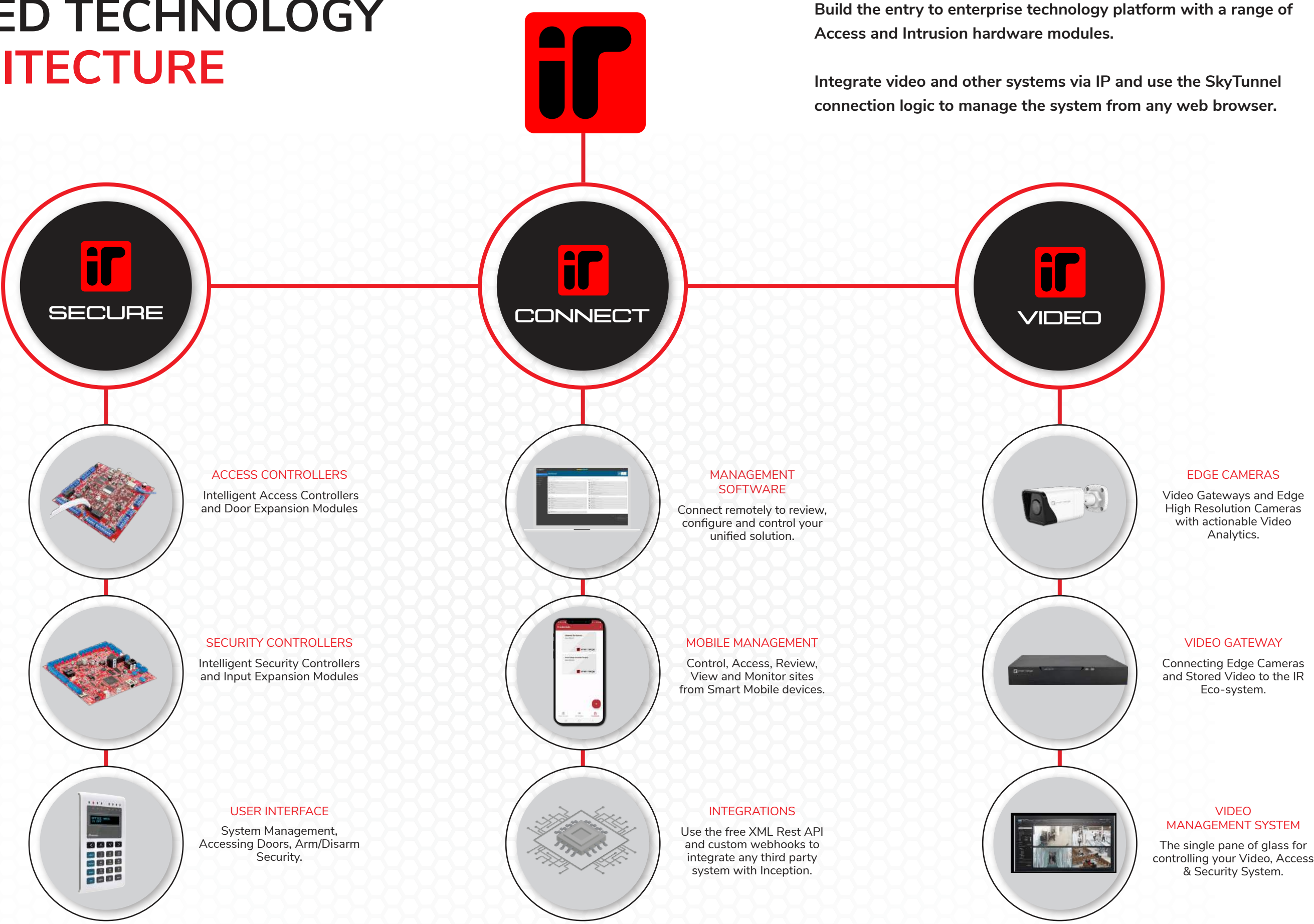
Our continual investment in research and development puts our products at the forefront of access control, security, video and smart building technology. We partner with best-in-class providers of adjacent technologies such as intercom, payroll, building automation and incorporate the latest in AI technology with solutions for facial recognition, biometrics, number plate recognition and many more. With over 130 native integrations to 3rd party systems and open integration pathways, we provide our customers with a unified system behind a single pane of glass.

UNIFIED SOLUTION

Our unified video, access and security platform provides an end-to-end security solution that meets the demands of entry to large scale, multi-site, enterprise grade security deployments.



UNIFIED TECHNOLOGY ARCHITECTURE



ENTRY TO ENTERPRISE SOLUTIONS

CORE FEATURES



ANALYTICS INTEGRATION

Reducing the time to acquire and interpret information, data analytic technology advances the intelligence of not only the security system, but also the building applications. Those systems use their own communication protocols, and Inner Range acts as a data aggregator to normalize that data.



ACCESS CONTROL

Monitors and controls the movement of all personnel and vehicles across multiple facilities. Integrity utilises an industry leading access permission system and supports standard access credentials such as cards, facial recognition and mobile phone-based tokens.



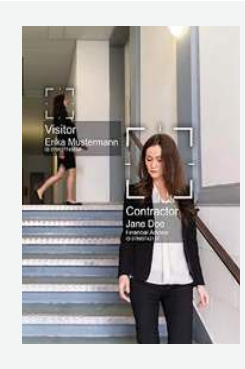
INTRUDER DETECTION

Notifying the correct authority of unwanted persons in an area or on a property in an appropriate timeframe helps prevent loss. Escalation of specific events to the correct responder allows them to make better decisions for resolving the issue.



DURESS ALARMS

Duress alarms may be a push button underneath the desk of a receptionist, or they can be a button on an emergency telephone. Regardless of the location of the button, these systems trigger immediate notification of an event to first responders to assist the person in need.



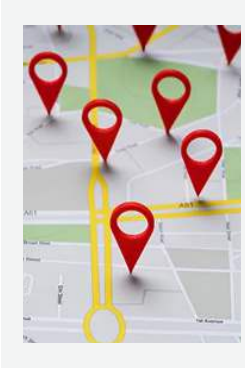
FACIAL RECOGNITION

This identification of a person by a camera, as well as the credentials that the person holds or knows, can assist in assuring that the correct people are in the proper area. Facial recognition analytics can act as the credential to allow a person to gain entry to a building or area.



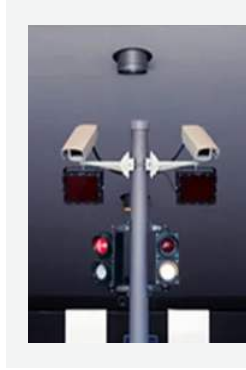
VIDEO SURVEILLANCE

Utilising the Enterprise Integrity platform, system operators are able to visually verify alarm events in real-time, using video feeds from an interconnected Video Surveillance platform. Security Personnel are able to view, control and customize Video layouts all within one centrally managed system.



RTLS INTEGRATION

Real-Time Location Systems are commonly deployed in high-security situations and allow Security Operators to maintain accurate status and location of Security Personnel in real-time. The RTLS integration with Integrity allows for location monitoring via the same graphical interface as every other aspect of the system.



CCTV (WITH LPR)

Video integration provides additional facts about events in unmanned areas. The CCTV Integration function allows various CCTV & License Plate Recognition (LPR) systems to be integrated into Integrity software and is enabled on a per camera basis.



CONTRACTORS

Ensuring the correct company is on your property and performing the necessary responsibilities can be a daunting logistical challenge. Inner Range can provide reports identifying when the contractor came to and left your facility as well as any areas they accessed. This allows the verification of invoices as well as job completion.



SERIOUS INCIDENTS

In the unfortunate case of a serious security event occurring, Inner Range forms a critical part of management and containment of serious incidents. In an active shooter scenario, we have a comprehensive set of door lockdown features that can assist in containing threats to specific areas.



SNMP HEALTH MONITOR

The SNMP & System Health Monitor is designed to alert IT administrators to several critical runtime errors that may occur with Integrity or associated SQL server instances. The application provides support for SNMP servers and allows various aspects of the following Integrity functions to be monitored.



ADVANCED ALERTS

The Advanced Alerts feature allows the Integrity software to escalate designated alarms to specific operators and implement response plans for specific situations. It also enables operator challenge by guards in response to photo pop up on an access event as well as an assortment of other alarm management functionality.



GUARD TOUR

Verification and monitoring of guards as they inspect areas of the facility. Using the Integrity Mobile App, Apple or Android devices can connect directly to the Integrity server, providing convenient control of the system from a mobile device.

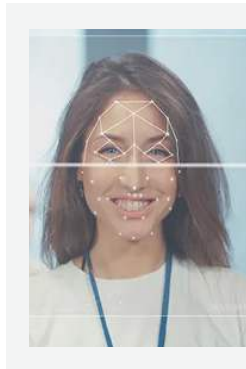


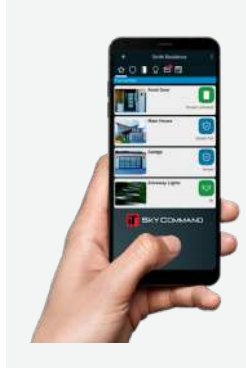
PHOTO ID

Visual confirmation of credential match with user. The PhotoID feature allows the customised designing and printing of PhotoID access cards. PhotoID printing will also require the use of a compatible third-party card printer (supplied by others).



USER QUALIFICATION

User Qualification Manager is intended to facilitate the implementation of various WHS criteria by enforcing the currency and renewal of user specific qualifications and permits before access to designated areas will be allowed by the system. Both time-based and credit-based qualifications are supported.



MOBILE APPS

Apple and Android App to control/monitor system. Using the Integrity Mobile App, Apple or Android devices can connect directly to the Integrity server, providing convenient control of the system from a mobile device.

IR VIDEO SURVEILLANCE



The Power of a Unified System

Managing an organization's security operations from a unified interface integrates various subsystems like Video Surveillance, Access Control, Intruder Alarms, and more, significantly reducing costs associated with human resources and managing disparate systems. An end-to-end solution harmonizes all subsystems, dramatically lowering total ownership costs. IR Video management consolidates thousands of cameras into a user-friendly interface, providing a clear view of your premises. It communicates with other security and smart building systems, offering live or archived footage and event reviews, such as door access or intrusions. The Inner Range unified security system provides comprehensive tools to protect your property, assets, and people.



Cyber Safe, IR Cloud Connected

Inner Range has made a significant investment in technology to ensure that all the connected devices in our eco-system are all routed through our cyber safe cloud service – IR Connect.

This Australian based service connects the IR Video Gateways and Edge Camera devices directly through to our mobile application in the same manner as our award-winning security controllers. All IR Video devices are installed safely and securely behind the network infrastructure and cyber security policies of the organisation they protect not leaving any system data or video footage exposed to cyber-attack in the cloud.



IR Connect Mobile App, Unified Video, Access & Security System

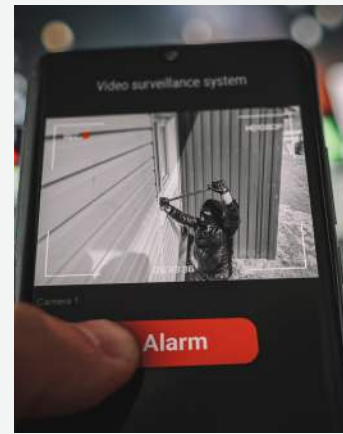
Remote connectivity is necessary tool for organisations to manage their onsite security solutions. The IR Connect Mobile App provides a simple and user-friendly experience allowing for complete remote analysis and control of your security system. IR Connect provides the following features.

- Arm & Disarm of the entire system or dedicated areas including the security devices and IR Video Edge Cameras that employ the Active Deterrence video analytic features.
- Receive push notifications of intrusion alarm events & associated video.
- Review live video and playback video events.
- Review the status and events in the systems event log
- Manage Users of the system.



Automated Firmware Updates

Like any internet connected device, Inner Range must ensure that the IR Video system remains current and up to date with all the latest cyber vulnerabilities. When an IR Video Gateway connects, through our IR Connect cloud service, we can detect what firmware version is currently employed. If there is a more recent update the user will be prompted to update with the latest firmware version which will seamlessly be downloaded to the IR Video Gateway. This ensures that the IR Video system is in the best position to ward off cyber-attacks and is running at the optimum level with new features and developments deployed.



Proactive Protection with Active Deterrence

Active Deterrence, when enabled and armed, allows events detected in the smart Edge Cameras to activate the flashing lights and activate the siren within the camera while at the same time send events to through the Video Gateway to notify the end user of the event. The events pushed through to the IR Connect Mobile App with attached video clips for alarm verification.

Some of the IR Video range of Edge Cameras are available with Active Deterrence and are capable of some or all of the analytics designed to detect.

- Humans
- Vehicles
- Line Crossing with direction
- Loitering & Intrusion
- Abnormal Sound Detection
- People Counting



Distributed Recording, Redundant Architecture

The IR Video system architecture supports connecting multiple Video Gateways, allowing decentralization of recording servers and eliminating single points of failure. Gateways ranging from 4 to 64 IP camera inputs can be deployed across different buildings and unified under a single interface via the IR Connect cloud service. This flexible and easy-to-configure setup can accommodate any deployment size, making it as simple to install as traditional NVRs.

IR VIDEO HARDWARE

IR VIDEO GATEWAYS

Inner Range provides a range of intelligent Video Gateways that provide the link between our range of high-quality Edge Analytic Cameras and the entire Inner Range connected eco-system. Seamlessly connected through the IR Connect cloud service to both our Professional and Enterprise technology platforms, these Video Gateways provide actionable video, video analytics and Active Deterrence into the Inner Range eco-system creating an extremely cohesive unified security solution.

FEATURES:

- Video Gateways available in 4, 8, 16, 32, or 64 channels with various storage options.
- Connected to the IR Connect cloud service for seamless cloud integration.
- Automatic online firmware updates ensure the latest cybersecurity and features.
- Smart analytics are sent to Inner Range controllers for actionable system events.
- Gateways include Active Deterrence, with alarms communicated to controllers, software, and connected devices.
- Active Deterrence can be armed or disarmed via the IR Connect Mobile App.
- Additional Gateways can be added for failover support if one goes offline.
- Distributed Gateways reduce costs by saving on installation, cabling, and expensive servers.



IR VIDEO EDGE ANALYTIC CAMERAS

IR Edge Analytic Cameras seamlessly connect to IR Video Gateways via the IR Connect cloud service, providing analytic events to Inner Range security controllers or the IR Connect Mobile App. Designed for situational awareness, these cameras come in various forms, colors, and lens configurations, with options for IR illuminators and dual IR/White Light for color night vision. The Active Deterrence feature can be armed/disarmed remotely through the app. Standardized at 8MP for high-quality images, these cameras can be downgraded to 6MP or 4MP to save on bandwidth and storage.

FEATURES:

- 8MP variants include Flateye Turret, Mini Dome, Dome, Motorised Dome, Bullet, Motorised Bullet, Panoramic Bullet.
- 12MP outdoor fisheye 360 degree camera.
- 5MP 7" 30x IR PTZ Camera with hybrid Dual Light capabilities.
- Active Deterrence available in fixed and motorised Flateye Dual Light Turret, fixed and motorised Dual Light Bullet, and the Panoramic Bullet.
- A wide range of mounting accessories and bracketry.



 Active Deterrence Activates camera sirens and flashes lights upon the detection of an intrusion, providing immediate alerts and visual deterrence to enhance security response and prevent unauthorized access.	 Single & Double Line Crossing By defining video barrier lines we can provide real-time warning when a human crosses one or two lines in a certain direction. This analytic can trigger alert notifications and increase security at the properties boundaries.	 Loitering & Intrusion Loitering and intrusion detection systems use advanced sensors and intelligent analytics to identify and alert on unauthorized presence or suspicious behaviour in real-time, enhancing proactive security measures.
 Human & Vehicle Detection Human and vehicle detection systems use cutting-edge AI and sensor technology to monitor and differentiate human and vehicular movement, enhancing intrusion detection, situational awareness and security response efficiencies.	 People Counting People counting systems use sophisticated sensors and algorithms to accurately track and analyze the number of individuals entering and exiting a facility, assisting crowd management and resource allocation.	 Wrong Way Wrong-way car detection systems use advanced sensors and AI to identify and alert on vehicles travelling in the wrong direction, preventing accidents and ensuring traffic safety.

CONNECTED ECO-SYSTEMS



VIDEO

Streamline operations by linking access control and intruder events with video management. Control recordings and bookmark key events automatically, control access doors from live video views and much more.



AUTOMATION

Create automation for any situation with flexible trigger and action automation logic. Use a wide range of internal events, or events received from other systems, as the triggers and build complex logic with simple AND OR trigger definitions.



SMART BUILDINGS

With dedicated integrations for Control 4 and Nice automation systems, the Professional platform forms part of a complete smart building solution.



SKYCOMMAND

SkyCommand provides simple end-user control in an intuitive app. Control system security, lock and unlock doors, and trigger automation from your smartphone, smart watch, or through Apple CarPlay and Android Auto.



SKYTUNNEL

IR SkyTunnel is a free cloud connectivity service that lets you easily connect to Inception Controllers and other Inner Range devices without the need for port forwarding or firewall setting adjustments.



ALARM REPORTING

IP-based alarm reporting to any Multipath equipped control room is a low-cost and convenient solution. For added redundancy, utilize an Inner Range dual SIM alarm communicator, which transmits alarms via IP and 4G paths.

USER INTERFACES



TOUCH SCREEN INTERFACE

Providing a sleek, clear, concise and simple to use interface for the management of your unified security solution has been the primary design driver for the Inner Range Touch Screen. This interface performs typical security operations including the control of security areas, door access, event activity review and controlling the state of the systems automation outputs.



ELITE X TERMINAL

The EliteX LCD keypad is elegantly designed and features a clear and easy to read OLED display. Users can use the keypad to perform typical operations on Integriti and Inception systems. This includes control of security areas, door access, event activity review and controlling the state of outputs.



ACCESS CONTROL READER

The Inner Range Smart Card reader employs a high security communication protocol (AES 128-bit encryption) from credential (access card or fob) through to the access control system. This provides a far superior level of security than that of traditional access control card readers ensuring that only who is authorised to be onsite, is onsite. Capable of unlocking the door and disarming the intruder alarm system simultaneously. Also capable of Arming the intruder system by presenting your access card three times. This simplifies operation and removes the need for Security Keypads to control the intruder alarm.



ACCESS CONTROL KEYPAD

Incorporating all the features of the Inner Range Access Control Reader, the Access Control Keypad adds an increased level of security by incorporating a PIN number with a credential (access card or fob). This creates a two-factor authentication for granting access to your building or a higher security area. Rated for indoor or outdoor use with an IP67 weather resistant rating this Keypad increases the authentication levels required to gain access to your premises or controlling your security system.



SIFER CREDENTIALS

SIFER credentials employ 128 bit AES encryption from the card through to the door module, providing a far superior level of security.



INNER RANGE

MOBILE ACCESS

Utilizing smartphone Bluetooth technology for building access control enhances the flexibility of traditional security measures offering convenience, enhanced functionality and more accurate identification of who is on site and when. Users gain entry to buildings by approaching the Bluetooth enabled readers at the access points and unlock the door with their smart phones eliminating the need for physical keys or access cards.

SMARTPHONE BLUETOOTH BUILDING ACCESS CONTROL



Inner Range puts SECURITY FIRST, before granting access to the building, by leveraging the smartphones biometric authentication features for two-factor authentication to identify the person on site. This adds an additional layer of authentication that enhances the security levels of the premises. In high security areas like data centres, financial institutions and medical facilities, Inner Range Mobile Access can also be configured to ask for a second biometric authentication after selecting the door to access therefore providing the highest level of smart phone based access control.



CYBER SECURE CLOUD DELIVERED

Your user data and system configuration is secure behind the organisations network security policies, yet safely delivered through Inner Range's IR Connect cloud service that provides an encrypted end to end communication path for remote devices.



NO SUBSCRIPTIONS ONE OFF COST FOR MOBILE CREDENTIALS

IR Mobile Access provides credentials for smart phones at the cost of a traditional access control card. These credentials can be issued and revoked as many times as required at no extra cost. Your investment is never lost, damaged or destroyed and can be passed on to the next user or new smart device. This saves significant costs in the life cycle of the solution.



TWO-FACTOR AUTHENTICATION WITH BIOMETRICS

Two-factor authentication with biometrics enhances security and ensures the identity of the user before granting access.



CREDENTIALS SECURED

Credentials securely stored within the controller or the system management software onsite to enhance data protection and access control measures.



MOBILE ACCESS READER & KEYPAD

The Mobile Access Readers and Keypads are a combined Bluetooth enabled, IP67 rated, SIFER Smart Card Keypad and Reader that supports both Bluetooth mobile credentials and SIFER physical access cards and fobs as well as PIN (Keypad version) for access control. The Keypad / Reader allows dual credential Mobile Credential / Card & PIN high security access control. (PIN only or Mobile Credential / Card only is also supported).

They are multi-drop RS-485 based devices that employ 128-bit AES encryption from the card through to the door module, providing a far superior level of security than that of traditional Wiegand based card readers.

They utilise the Mifare DESFire® EV1/EV2/EV3 card format and utilise a superset of the OSDP protocol, which allows the Readers and Keypads to be deployed on any system capable of using OSDP. They are connected to the RS-485 reader port for full Reader-In and Reader- Out operation of various Inner Range products as below.

- Integriti Access Controller (IAC) - Up to 16 Readers on-board.
- Intelligent LAN Access Module (ILAM) - Up to 16 Readers.
- Standard LAN Access Module (SLAM) - Up to 4 Readers.
- Inception Controller - Up to 8 Readers on-board.

The Mobile Access Keypads and Readers are IP67 rated and available with site-specific encryption keys.

MOBILE ACCESS CREDENTIALS

The Inner Range Mobile access credentials are created, managed and delivered by the security controller onsite that is installed safely behind the network security infrastructure and cyber security policies of the organisation.

Securely delivered through the IR Connect cloud service to the end users smart device, the Mobile Access credential is then accepted and saved into the IR Mobile Access Mobile App that is installed on the smart device.

When access to a door is required the smart device is unlocked, the IR Mobile Access App is opened and then the appropriate door is selected and unlocked. This process provides user authentication through the devices biometric credential ensuring the identity of the user.

Mobile Access credentials are available for:

Inception – 994635ICP, Integriti - 994635 & Infiniti - 994635INF





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