**inner range**

UNIFIED VIDEO, ACCESS & SECURITY SYSTEMS

# Inception Express

Protecting your residential property, your possessions, and most importantly your people, for over 35 years.

**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 security solutions from residential and small commercial security systems right through to unified security systems deploying enterprise security management software capable of monitoring multiple sites anywhere in the world. Our scalable products are suitable for residential, commercial and enterprise sites across verticals such as small to medium residential and businesses, education, healthcare, government and critical infrastructure. We are passionate about empowering our customers to protect what they value most, their property, their possessions and most importantly – their people.

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 provide our customers with a unified system that is managed simply and effectively with a single user interface through smart mobile device or web connection.

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# RESIDENTIAL
# UNIFIED SOLUTION

Our unified video, access control and security platform provides an end-to-end security solution for residential homes and apartments. Over 35 years Inner Range has developed state of the art technology platforms to meet the rigorous demands of all security applications yet has remained simple to use, manage and connect to remotely

Video Surveillance

Lighting Control

Push & Email Notifications

Smart Device Connectivity

Building Automation

Intrusion Detection

Smoke Detection

Biometric Credentials

Number Plate Recognition

Video Management

Adobe Stock | #615106100

Apple & Android Car Play Control

Wireless Access Control

Intercoms
*Available Soon*

Mobile Access Control

Access Control

# RESIDENTIAL
# UNIFIED SOLUTION



## HARDWARE CAPABILITIES

**8 onboard Alarm Zones expandable to 32**

**Access Control for up to 4 doors using optional Access Control Modules**

**4 Programmable Automation Outputs expandable to 32**

**Up to 8 Inner Range Access Control Readers can be utilised for Door Access or Arming / Disarming the Alarm System**

# Simply Powerful, Powerfully Simple.

## FEATURES

**32 programmable user PIN numbers with associated Access Control card or Mobile token**

**25K event log for reviewing system and alarm conditions**

**8 programmable time periods for allowing access, driving automation and control**

**4 programmable alarm areas allowing specific zones to be Armed / Disarmed independently**

**32 programmable automated actions to compliment security, access control or automation events**

**System notifications can be sent to Mobiles or to security monitoring centres**

## CONNECTED SOLUTIONS

**Supports unified IR Video & Inception Express access control & security into a single Mobile app**

**Supports IR professional Motion detectors that reduce false alarms and increase catch performance**

**Supports the IR Connect Mobile app for controlling your entire unified system remotely**

**Supports IR Mobile Access for unlocking access-controlled doors via Mobile Phone**

**Supports Apple Car play which allows control of your system from your vehicle using "Siri"**

**Inception Express has an inbuilt Web Browser which allows for connectivity from any connected devices for configuration and control**

**Supports wireless sensors and remotes for situations where cabling cannot be installed**

**Supports wireless Access Controlled doors to allow for easy deployment in remote buildings or where cabling cannot be installed**

**Supports IR Multipath communicators for transmitting alarm and status conditions to mobile or security monitoring centres over the internet OR via 4G mobile network**

**Inner Range's Mobile app is available for both Android or Apple devices**

# RESIDENTIAL UNIFIED SOLUTION
# CORE FEATURES
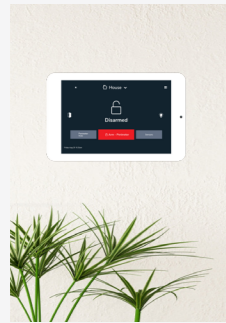
### USER FRIENDLY

Inception Express is incredibly simple to use, configure and control. It is extremely quick to arm and disarm, very fast at communicating events and seamlessly connects to your mobile device. Full control of your security can be achieved simply through our touch screen keypad, our LCD keypad or our IR Connect Mobile Application.

### INTRUDER DETECTION

Instantly providing notification of unauthorised intruders into your premises helps prevent significant loss. Escalation of specific events to the correct first responder allows them to make better decisions in addressing the situation. Intruder alarms can be sent to monitoring centres or directly to the user via SMS, Email or to the IR Connect Mobile App along with links to video footage.

### VIDEO SURVEILLANCE

Utilising the IR Connect mobile application allows for users to monitor their IR Video surveillance solution while at home, work or anywhere around the world. Upon intruder alarms, access control conditions, video analytic detection and many other system generated events, notifications can be sent to the IR Connect mobile app with associated video. System users are able to visually verify events in real-time, using video feeds from the IR Video surveillance solution. First responders can then have a complete picture of the scenario and the conditions that they are responding to ensuring the safety and security of all concerned.
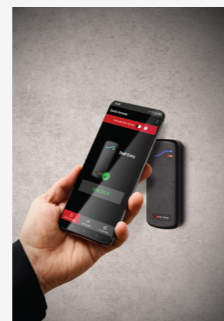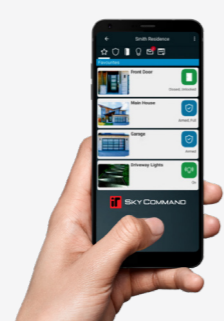
### ACCESS CONTROL

Monitors and controls the movement of all people coming and going from the building. Inception Express utilises an industry leading access permission system and supports standard access credentials such as cards, fobs, Bluetooth mobile credentials and remote control via Apple and Android Apps.
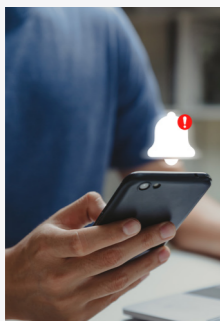
### DURESS ALARMS

The most important element of a security system is to protect your people. In the event of any crisis situation you need to be sure that first responders are notified so appropriate actions can be taken. Whether this be a panic button on a remote, a duress code at a keypad, a fixed panic button in the premises or an IR Connect mobile duress activation, you need to sure the correct first responders are notified of the situation to ensure the health, safety and security of your people.

### IR CONNECT APP

Inner Range's mobile applications for Apple and Android smart phones allow the users to control, monitor, review and react to all system generated events. Reviewing recorded and live video, intruder alarms, access control events or controlling the security system, arming the video system or initiating automation through output control are all possible with IR Connect managing your security solution.

# WEB POWERED
# CONVENIENCE

## COMPATIBLE WITH MOST MAJOR MOBILE DEVICES

Inception Express is simple to control and leverages your existing smartphones, tablets or computers. The system is connected to your local network, meaning you can use almost any web-enabled device to access your system, including hard-wired desktop or Wi-Fi connected devices. Also supporting the IR Connect Mobile App, which provides fully interactive control of the Inception platform security areas, doors, and outputs.

**Full Area Control**

**Output Control**

**Door Control**

**Push Notifications**

**Item Photos**

**Quick Sign-in**

## IR CONNECT SMARTPHONE APPS

Never miss an important event with the IR Connect push notification service and enjoy the freedom to control security areas, lights, heating/cooling and door access from anywhere.

IR Connect is compatible with a wide range of devices including iOS and Android apps for smartphones as well wearables such as Apple and Samsung watch apps. Features:

- Immediate notifications for alarm events to your mobile phone
- Arm and disarm your security system remotely
- Supports multiple sites and security areas
- Remotely turn on and off locks and appliances
- Notification and event history
- App pin entry and lock

# USER
# INTERFACES
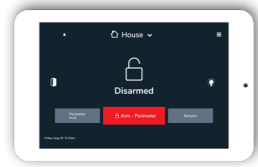


### TOUCH SCREEN INTERFACE

Providing a sleek, clear, concise and simple to use interface for the management of your 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 automation outputs.

### ELITEX TERMINAL

The EliteX keypad is elegantly designed and features a clear and easy to read OLED display. Users can use the keypad to perform typical operations such as control of security areas, door access, event activity review and controlling the state of automation outputs.

### ACCESS CONTROL READERS & KEYPADS

The Inner Range Smart Card readers and keypads employ 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. Keypad readers have the added security feature of two factor authentication by the use of a PIN with a card.

### MOBILE ACCESS READERS & KEYPADS

Combining all the features and benefits of the Inner Range Readers and Keypads, these Mobile Access readers are fitted with Bluetooth capabilities so that Smart Mobile Devices, that have an Inner Range Mobile Access credential installed, can be presented at these readers to gain access. These cyber safe, subscription free, once-off purchase credentials are issued in the controller and are universally available to be issued and revoked as required.

### CREDENTIALS

SIFER cards and fob credentials employ 128-bit AES encryption from the card through to the door module, providing a far superior level of security for your home. These credentials cannot be cloned and are specific to your system. Mobile access credentials are issued from the Inception controller, by email, to the Smart Mobile Device and enable your mobile phone to be the access control credential.
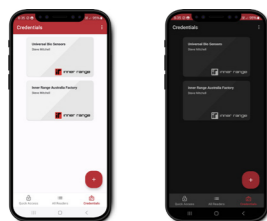
# CONNECTED
# ECO-SYSTEMS



### VIDEO

By unifying IR Video surveillance with the  access control and intruder events into one Residential unified solution you are able to review all aspects of your premises security through a single pane of glass, the IR Connect Mobile App. Make informed decisions to ensure the security of your home, the protection of your assets and the safety of you and your family.



### 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 HOMES

Use Inception Express's automation logic to integrate with Control 4 or Nice automation systems to form part of a complete smart building solution.



### IR CONNECT

IR Connect provides simple end-user control in an intuitive app. Control system security, watch and review video, 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 Express Controllers, IR Video Surveillance and other Inner Range connected devices without the need for port forwarding or firewall setting adjustments.



### ALARM REPORTING

IP-based alarm reporting is a low-cost and convenient solution ensuring that actionable security events are communicated to first responders instantly for action. For added redundancy, utilize an Inner Range dual SIM alarm communicator, which transmits alarms via IP and 4G paths.

# 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 the Inception Express security controller, 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.

**4 CHANNEL**

**16 CHANNEL**

**32 CHANNEL**

**64 CHANNEL**

## 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 IR Connect App. Standardized at 8MP for high-quality images, these cameras can be optionally configured 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 brackets.

### 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.
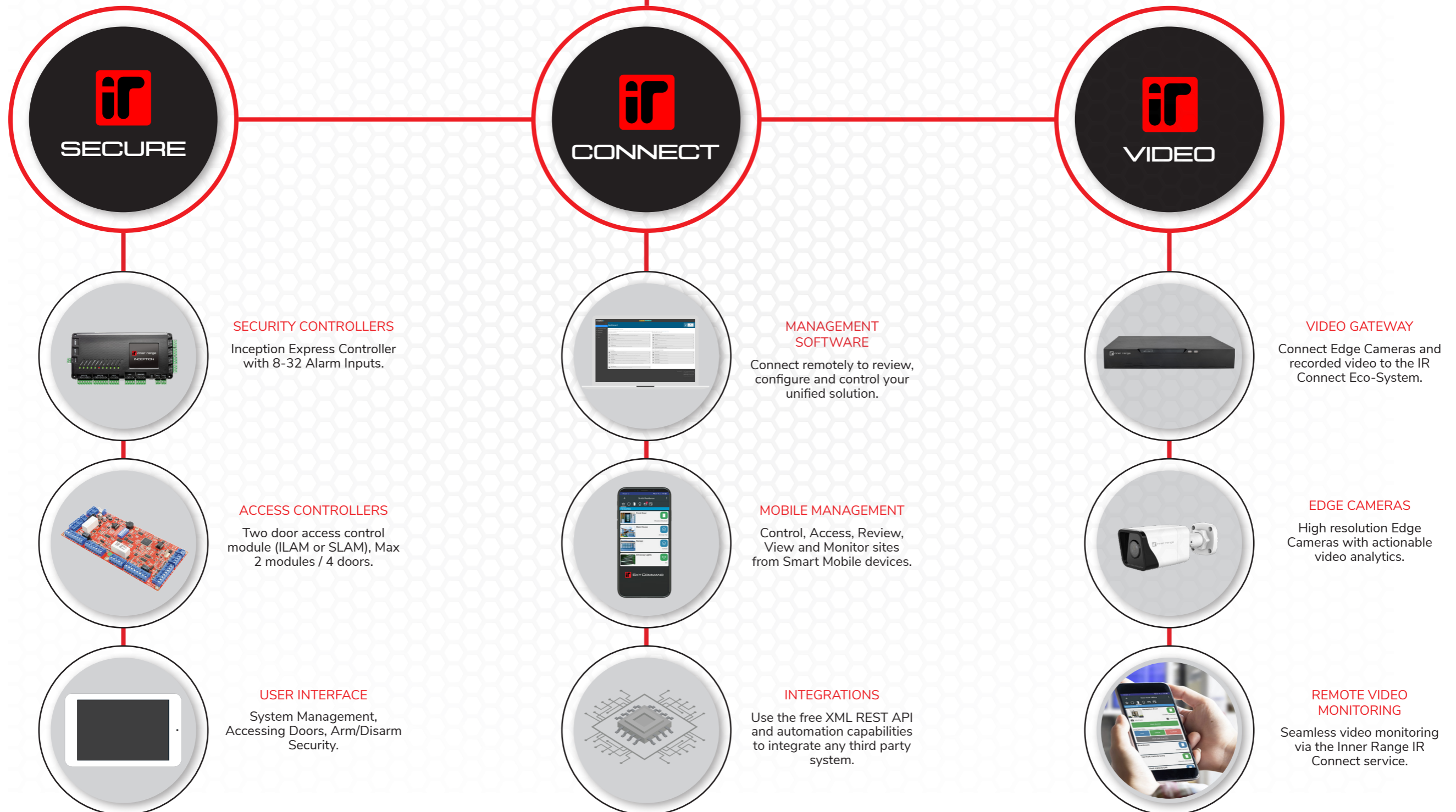
### Wrong Way

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.

# UNIFIED TECHNOLOGY
# ARCHITECTURE

**Build the technology platform with a range of Security, Access Control and Video Surveillance systems.**

**Integrate these systems via Inner Range's IR Connect cloud service to manage the system remotely from any web browser or smart device.**

## SECURE

## CONNECT

## VIDEO

### SECURITY CONTROLLERS
Inception Express Controller with 8-32 Alarm Inputs.

### ACCESS CONTROLLERS
Two door access control module (ILAM or SLAM), Max 2 modules / 4 doors.

### USER INTERFACE
System Management, Accessing Doors, Arm/Disarm Security.

### MANAGEMENT SOFTWARE
Connect remotely to review, configure and control your unified solution.

### MOBILE MANAGEMENT
Control, Access, Review, View and Monitor sites from Smart Mobile devices.

### INTEGRATIONS
Use the free XML REST API and automation capabilities to integrate any third party system.

### VIDEO GATEWAY
Connect Edge Cameras and recorded video to the IR Connect Eco-System.

### EDGE CAMERAS
High resolution Edge Cameras with actionable video analytics.

### REMOTE VIDEO MONITORING
Seamless video monitoring via the Inner Range IR Connect service.

# IR VIDEO
# SURVEILLANCE



### THE POWER OF A UNIFIED SYSTEM

Managing your home's security system from a unified interface incorporates various subsystems like Video Surveillance, Access Control, Intruder Alarms, and more, significantly reducing installation costs and the headache of managing disparate systems. An end-to-end solution harmonizes all subsystems, dramatically lowering total ownership costs. IR Video consolidates all the 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 recorded footage and event activity, 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. Importantly, the video footage and other security event data is stored within the Inner Range hardware housed at your premises, not our cloud, thus mitigating any cyber attacks.



### IR CONNECT MOBILE APP, UNIFIED VIDEO, ACCESS & SECURITY SYSTEM

Remote connectivity is necessary tool for managing your 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:
a.  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.
b.  Receive push notifications of intrusion alarm events & associated video.
c.  Review live video and playback video events.
d.  Review the status and events in the systems event log.
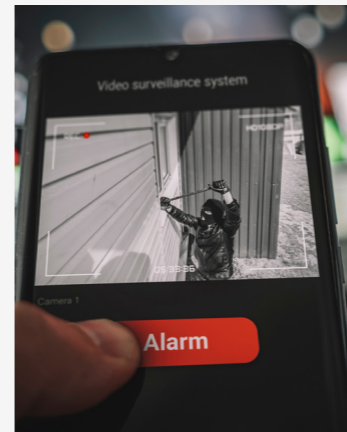e.  Manage Users of the system.



### AUTOMATED FIRMWARE UPDATES

Like any internet connected device, Inner Range must ensure that the IR Video system remains current and up to date against 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 are 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 such as:

- Humans
- Vehicles
- Line Crossing with direction

- Loitering & Intrusion
- Abnormal Sound Detection
- People Counting



### SCALABLE FOR MULTI BUILDING DWELLINGS

The IR Video system architecture supports connecting multiple Video Gateways, allowing for the expansion of the video system across multiple buildings at a single residence. 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 and manage.

**inner range**

**Global Headquarters**

Inner Range Australia
+61 3 9780 4300
sales.au@innerrange.com

Inner Range United States
+1 (844) 588-0874
sales.usa@innerrange.com

Inner Range United Kingdom
+44 (0) 845 470 5000
sales.uk@innerrange.com

Inner Range Canada
+1 (844) 588-0874
sales.canada@innerrange.com

Inner Range Middle East
+971 4 8067100
sales.me@innerrange.com

Inner Range India
+91 80 4070 3333
sales.india@innerrange.com

**INNERRANGE.COM**