

InterContinental Hong Kong Access Control & Video Surveillance Integrated Solution Case Study



Project Description

Internationally acclaimed as one of the world's top hotels for business and leisure, InterContinental Hong Kong has always been prized for its unrivalled views of Victoria Harbour and Hong Kong Island. The hotel features 503 contemporary guest rooms, including 87 harbour-view suites, all of which have high-speed internet access, Handy smartphones, 24-hour butler service and in-room dining. Other "around-the-clock" services include 24-hour Concierge and business services.

The hotel's stunning Presidential Suite is one of the most spectacular in Asia and the largest in Hong Kong at 7,000 square feet with a 2,500 square foot terrace with an infinity swimming pool overlooking Victoria Harbour and Hong Kong Island. There are also two specialty suites (The CEO Suite and Terrace Suite), both with large outdoor terraces and Jacuzzis overlooking Victoria Harbour.

Project Requirements

A reputable premise as InterContinental Hong Kong is, it highly concerns their customers' safety and any security loophole would be threatening to it. With increasing terror attacks globally coming with the growing tension among nations and geopolitical risks, it is definitely necessary to enhance the public security level in order to prevent causing loss to clients that conventional access control systems are not satisfactory. Apart from reliable and convenient access control system, they had some specific requirements:

- **Actual Access Control and Monitoring**

All employees of InterContinental Hong Kong are only allowed to have entry and exit of working areas after successful identity authentication with verification of their employee cards, yet it does not indicate that all illegal access without proper card verification process are effectively prevented, and in case any incident happens, management staffs are unable to obtain instant surveillance in order to acknowledge live situation of abnormal events. This, to a renowned hotel with high people flow, is a security risk that it cannot afford to ignore. However placing security staffs in every access point not only consumes great human resources costs but also may result in negative perception to users. Thus a more convenient and effective method to monitor access is required.

- **Automatic Recognition of Access Rights**

There are a complex people flow entering and exiting access points with different types of employees with various duties and access rights to ensure that all employees are in proper locations performing duties. However conventional access control systems have difficulties dealing with complex access rights, thus it requires an access control system that can effectively differentiate access rights of different employees.

- Scalability

One of the very critical requirement is that the system must enable easy and efficient expansion due to the flexibility of the client's human resources. Thus, it requires a system that can easily connect to and synchronize with newly added devices.

End User: InterContinental Hong Kong

Configurations

System	Device Name	Device Model
Access Control System	Access Control Terminal	InBioPro Series Control Panel
	Access Control Card Reader	ProID card reader
	Access Control Software	ZKBioSecurity

Technical Features

- The project is deployed with an access control solution that includes 40 units of ProID Card Readers, 10 units of InBioPro Series Control Panels, and ZKBioSecurity Access Control Software for central management.
- All staffs' personal information have been enrolled and they are all issued employee cards for access control purpose. All cards are read by the card readers deployed in all access points. Staffs in order to gain access or exits to desired locations must scan their cards for verification. Once verification process is initiated, corresponding surveillance cameras will be triggered to video capture the complete access control process to ensure that both cards and persons match and the verifications are authentic.
- In case any abnormal event occurs including unpermitted entries and exits, forced door opening, surveillance cameras will also be triggered to record and display live videos which are viewable in the back-end system.
- Once alarm for abnormal event is triggered, email or optional mobile app. notifications will also be delivered to notify administrators.
- All staffs are registered with specific access rights written in their staffs cards, thus they are only allowed to have access into certain areas that they are authorized to.
- The System enables global-anti-passback function. Anti-passback is a security mechanism that prevents a person from passing back her access card to the next person. Thus, no person who performs illegal and unauthorized access will be able to obtain exit.
- The entire system is centrally managed by the ZKBioSecurity Access Control Software. As the Software is web-based, with connection to the ZKBioSecurity Access Control Software, all staffs' information could be efficiently saved and centrally managed, which lets management staffs easily add personnel. And any newly added card reader can be flexibly connected to the Software, enabling great scalability.

Function Description

- The ProID family of card readers is designed to offer card technologies options to customers such as 125KHz EM, 13.56MHz MIFARE, DESFire, FeliCa or Legic. With a robust all-weather protection and a beautiful modern design, the ProID family is the best choice for indoor or outdoor applications.
- InBioPro Series is a project oriented high-end product line with unique features such as embedded fingerprint verification and advanced access control functions, which can be managed by TCP/IP communication thru LAN or WAN networks. The InBioPro Series are the perfect match for ZKBioSecurity web based software platform to provide a full featured biometric security solution. In combination with the FR1300 RS485 reader, the panels can authenticate users under multiple verification modes such as fingerprint, card and password for a higher security level.
- ZKBioSecurity is an access control system management platform based on the browser/server architecture. Users can access and log in to the platform directly from browsers and view the verification conditions of all connected devices in real time on the browsers.

