

Creating a safe and modern five-star hotel.

Axis helps Huabei Hotel develop intelligent IP video surveillance system.



Organization:
Huabei Hotel

Location:
Beijing, China

Industry segment:
Hotel/Restaurant/
Tourism

Application:
Safety and security

Axis partner:
Aimetis

Mission

Huabei Hotel is a 5-star business and conference hotel that offers various services including lodging, conference venues, restaurants and entertainment under one roof. It has a total area of 64,766 m² and 15 stories. It is equipped with 15 high-end conference rooms catered for different types of conferences and other entertainment services. The hotel wished to build a high-definition video surveillance system for both the indoor and outdoor public areas. The system needed HD real-time display to bring a direct view of the sites through surveillance and planned control implemented at critical areas and locations.

Solution

The entire system was designed as a distributed system with an architecture that combines surveillance and storage. All 250 IP cameras used are 720P HDTV IP cameras.

Effective surveillance along the hotel's corridors and other long and narrow areas normally requires coverage to be as wide as possible and yet be able to clearly identify faces at the same time. To fulfill these requirements, Axis network cameras with 9:16 aspect ratio Corridor Format are employed.

Result

Effective surveillance of the hotel's daily operations, property and the work performance and attitudes of staff are achieved through Axis IP video surveillance system. It has a significant deterrent effect on crime and theft prevention. The embedded intelligent analytics design and open architecture bring excellent flexibility and expandability to the entire system, meeting the current and future needs of the 5-star-rated hotel.

"Since the start of operations, Axis products are stable in their functions and performance, the video images are clear and the after-sales services are up to standards."

Huabei Hotel staff member.

Surveillance at the main lobby, underground garage and the hotel's temporary parking area requires coverage to be as wide as possible but when incidents occur, the ability to immediately focus on detailed information is necessary. Axis PTZ cameras are employed to meet these requirements. They allow panoramic surveillance under normal circumstances and are able to immediately turn the focus to show close-up details when an incident occurs.

Day and night outdoor IP cameras are employed at the hotel's outdoor entrance and exit areas to ensure excellent image quality under all lighting conditions. These IP-66 rated cameras are dustproof, waterproof, snow proof, sun proof and able to function normally under a low temperature environment of -40 °C (-40 °F).

The system uses the Aimetis management platform to centrally manage 250 HD IP network cameras. Forwarding of video stream, video retrieval and playback and equipment inspection are carried out via the Aimetis Symphony server. The Aimetis Symphony server is a data source for other clients and the most important server in the system. It is also responsible for storing the configuration of IP cameras, information of staff rights, number of users, user names, passwords, viewing rights and control rights. The client's management requirements for the hotel were as follows:

Centralized management: HD real-time video image browser, previous video playback, large screen display, alarm linkage and PTZ camera control. At the same time, the video server must possess clustering capabilities to ensure the continual running of business applications, such as real-time, playback and PTZ control, if it should break down.

Advanced and reliable: Mature, advanced and reliable technology. Able to meet current and future development needs. Convenient to install and deploy and easy to operate and manage. Standardized, expandable, upgradable and able to maximize usage of investment. Assurance of good after-sales services.

Centralized management of equipment and information: Allow customized allocation and management of all types of tasks performed by video workstations and video servers.

Failure analysis: The surveillance center must be able to obtain information on failure and raise alarm automatically through an intelligent analytics platform when hardware failure, dropped network connection, loss of image and other device failures occur.

The hotel's security, operation management, image and other areas have, at varying levels, been upgraded after the completion of the system. These are mainly reflected in the following areas:

Security management

Effective surveillance of the hotel's daily operations, property and the work performance and attitudes of staff are achieved through Axis IP video surveillance system's HDTV images, low bit-rate transmission and stable and reliable quality. It has a significant deterrent effect on crime and theft prevention.

Flexible, effective and low cost

Remote surveillance access is easily achieved through the use of IP-based, digitized transmission. PoE compatibility enables faster installation and deployment and results in savings on labor and material cost of cable wiring. Embedded intelligent analytics design and open architecture bring excellent flexibility and expandability to the entire system, meeting current and future needs.

Stable and reliable quality assurance

Stable and reliable long-term operation of the system is crucial for ensuring smooth management of the hotel and uninterrupted operations. There has been no report of equipment failure since Axis IP cameras began operation, which fully reflects the reliability of the products. Situation awareness and recording of facts of incidents, timely detection and preemption of possible emergencies; images of the surveillance area recorded at the same time to provide a factual basis for hotel's safety and management.

