

Axis injects video intelligence into the access control system of Guangzhou Baiyun International Airport. IP-Surveillance enables true remote monitoring.



Organization:
Guangzhou BaiYun
Airport

Location:
Guangzhou, China

Industry segment:
Transportation

Application:
Access control and
IP-Surveillance

Axis partners:
Ragile Network
Technology Co., Ltd.
RALID Information
System Co., Ltd.

Mission

As one of China's three largest international airports, Guangzhou Baiyun International Airport enjoys a huge passenger flow every day, posing a great challenge to airport security. The entrance/exit control system of Guangzhou Baiyun International Airport was provided by internationally-renowned brand Cardax. Cardax FT is a network-based intelligent management system covering access control, parking lot, consumption and security. All these areas are under 24-hour surveillance via video management software.

The intelligence of the entrance/exit control system required the addition of network video surveillance, including real-time video support and the verification of video case by case.

Solution

Guangzhou Baiyun International Airport deployed an independent and dedicated security network for the system. After careful comparison of products from noted manufacturers, Guangzhou Baiyun International Airport

selected Axis Communications. AXIS 207 Network Cameras were installed near every switch and sensor of the entrance/exit control system.

The video management software module provided by Ragile, an Axis partner, can interact with the Cardax FT system. If any alarm occurs at the entrance/exit control system, administrators in the surveillance and command center can manually invoke relevant video in real-time or the system can pop up a window in line with pre-defined policies for verification; the video data can also be retrieved, played back and exported based on different factors after the incidents.

Result

By interacting and integrating with Cardax FT, AXIS 207 Network Cameras bring video intelligence to the entrance/exit control system and greatly cut system implementation difficulty and complexity. Furthermore, they have made room for future system expansion and scalability.

"It's the combination of Axis products' top quality and Axis ADP's active software integration that makes the project go smoothly from planning to implementation and enables Cardax FT entrance/exit control system to embark on a new level of video intelligence."

Mo Mingfeng, Deputy GM of the system integration company Ralid

AXIS 207 features compact form factor and high image quality

AXIS 207 supports the MPEG-4 compression format with superior network performance. This was among the key customer requirements as it provides stable video streams, ensures reduced bandwidth consumption combined with crystal-clear images.

To better cooperate with the Cardax FT access control system and obtain clear video data, network cameras were set up near the switch and sensor of the access control system. The location of these network cameras is not far from the sight of the passengers, who might have felt uncomfortable with the obtrusive design of traditional cameras. The AXIS 207 Network Camera, on the contrary, features a discreet and non-obtrusive design.

System interoperability fully reflects the advantages of Axis IP-based video surveillance

The AXIS 207 provides excellent integration with the Cardax FT entrance/exit control system and enables intelligent application of network video. Axis has always offered solutions based on open industry standards while

actively developing regional ADP partners (Application Development Partners), wherein lies the success of this project. The video processing module provided by Ragile operates stably, with an interface based on open standards. The rapid secondary development capacity based on business demands is an important premise enabling the smooth integration between the AXIS 207 and Cardax FT.

Saving time and space

Phase I of Guangzhou Baiyun International Airport has already been completed and put into operation. The AXIS 207 Network Camera was selected for the front end as it could connect directly to the airport's existing computer network. The system is already expanding, with network equipment being set up to provide a complete new, independent, dedicated network for security purposes. In such a system, the cable laying costs will almost come down to zero, the cable occupation will be reduced and all future equipment will be easily added.

