

Axis fully safeguards parking lot at Shuangliu International Airport, Chengdu.



Organization:
Sichuan Airport Group Co.,
Ltd. (Chengdu Airport)

Location:
Chengdu, China

Industry segment:
Transportation

Application:
Safety and security,
entrance and exit
monitoring

Mission

Shuangliu International Airport in Chengdu is the fourth largest air hub in China and the busiest hub airport in Central and Western China. Since its founding, Shuangliu International Airport has been listed as one of China's top ten busiest airports, and has maintained a record of zero flight or ground accidents.

Terminal Building T2 of Shuangliu International Airport maintains a total area of 500,000 square meters, 146 aircraft stands, and 74 boarding bridges, making it the largest terminal building in Central and Western China. It is estimated that its annual passenger throughput will reach up to 38,000,000 people.

The parking lot in front of Terminal Building T2 of Shuangliu International Airport, Chengdu is the ground traffic center. It maintains a gross floor area of approximately 180,000 sq. meters, 9 different zones as well as 1,519 parking lots for cars, 84 parking lots for tourist buses, 288 parking lots for taxis, and 40 parking lots for public buses.

The parking lot is divided into car and bus parking areas, overnight parking, and barrier-free parking with 9 incoming and 14 outgoing passageways, providing nearly 2,400 parking spaces.

In order to improve management efficiency and reinforce safety, the parking lot needed to deploy a new network video surveillance system. Taking into consideration the great many incoming and outgoing vehicles, people from both inside and outside, and safety and security issues, the front-end cameras were expected to provide HDTV images in a highly efficient and stable manner, to enable round-the-clock surveillance over the area, and work within the lighting and temperature conditions.

Solution

The solution was to offer the best price-performance ratio with the optimal design based on the specific situations of T2 plaza. The project was designed mainly on the basis of "high quality" and "high intelligence". Axis' fully digital network surveillance system was thus adopted to address the general layout of the T2 plaza and the actual situations on the site.

In the entire parking lot, 210 Axis HDTV network cameras were deployed. Out of these, AXIS P1344 Network Cameras and AXIS P3364-V Dome Network Cameras ensure image recording in real time round the clock, offering HDTV 720p resolution, stylish visual appearance and the ability to beautifully integrate with the installation environments. The outdoor-ready AXIS Q6035-E high-speed dome network camera offers HDTV 1080p images, compliance with SMPTE 274M, as well as support for 1920x1080 pixel resolution, full frame rate, HDTV color fidelity and a 16:9 format. This day/night camera simultaneously provides multiple H.264 and M-JPEG video streams. Further, it features 20x optical zoom and 12x digital zoom, coverage of wide area, and great details when zooming in.

Result

The new system uses a large number of Axis HDTV network cameras, with high quality images that help improve the visual management efficiency of the parking lot. Axis network cameras offer PoE/High PoE support. Only one cable is required for power and video transmission, and there is no need for separate control or power cables, thus reducing wiring costs by 70%. The surveillance solution provides the ability to fully address the users' needs, fully providing a high-performance security solution.

