



Case Study: Regional Airport

A regional Midwest airport needed a way to automate gate security and deliver wireless video surveillance traffic from remote locations back to its monitoring stations. It had an inefficient and outdated system to protect the gates that consisted of access points that would require hands-on updates at each location every time there were personnel changes. The security system also included analog cameras at the gates and airport management wished to upgrade its video surveillance capabilities to IP wireless video cameras. The airport needed a high performing wireless solution that was cost effective to deploy and scalable enough to allow for future modifications and expansion.



Challenges

Existing analog video surveillance system was inefficient and outdated. Updates required hands-on at each location every time there were personnel changes. The system also included analog cameras at the gates and airport management wished to upgrade its video surveillance capabilities to IP wireless video cameras.

The airport needed a high performing wireless solution that was cost effective to deploy and scalable enough to allow for future modifications and expansion. The solution also allowed for upgrades of the video surveillance cameras to perform wirelessly over the same network.

Operating over the 4.9 GHz public safety band, the network consisted of Azalea MSR4000 quad-radio and MSR2000 dual-radio routers specially designed for outdoor use as well as its MSR1000 router for indoor use. The entire network was deployed quickly and easily to allow for future scalability including Wi-Fi access for airport personnel and travelers.



The Solution

Azalea Networks created a wireless solution that combined data and video in one network to allow security personnel to easily update employee accessibility to the facilities. They could allow individual employees access to certain gates at specific timeframes and make changes to the permissions at will. Azalea's solution also allowed for upgrades of the video surveillance cameras to perform wirelessly over the same network. Operating over the 4.9 GHz public safety band, the network consisted of Azalea MSR4000 quad-radio and MSR2000 dual-radio routers specially designed for outdoor use as well as its MSR1000 router for indoor use. The entire network was deployed quickly and easily to allow for future scalability including Wi-Fi access for airport personnel and travelers.



