

Parking User Story: intuVision® - Presidio

Real-time Parking Space Availability with intuVision VA



Presidio deployed intuVision VA Parking for one of their mid-size municipality customers. The city wanted to monitor parking garage usage for the downtown area facilities and display parking space availability at the garage entrances to guide drivers and eliminate unnecessary traffic.

Presidio is a leading IT solutions provider focused on Digital Infrastructure, Cloud and Security solutions, delivering technology expertise since 2003; more at www.presidio.com

Equipment-at-a-Glance

Hardware: intuVision Video Analytics servers, Cisco IP cameras and VSM, AppSpace digital signage.

Software: intuVision VA Parking Version 9.4



Parking Garage Monitoring with intuVision VA

Many cities are looking to implement smart parking solutions to reduce traffic in downtown areas. Drivers looking for a parking space not only increase the traffic density, but also use waste gas and pollute the air. intuVision's parking analytics provide a cost effective solution to monitor parking garage space availability in real-time and help guide the drivers to available spots quickly.

Benefits

- Automated real-time updates of parking space availability by garage floor
- Central monitoring of multiple garage sites
- Improved safety and security of the facilities

Parking Garage User Story

“intuVision’s Parking analytics counts vehicles entering and exiting the garage keeping an accurate tally of available spots per floor. This information is displayed at the entrance of each floor saving drivers time and fuel and helps reduce air pollution.”

C. Cannon, IoT Systems Engineer
Presidio



Deployment Details

The city had an existing Cisco VSM to which they wanted to add cameras and video analytics for the two downtown area multilayer parking garages to provide patrons with real-time parking availability information. Presidio worked with intuVision to design a low-cost automated solution comprised of, Cisco IP cameras monitoring the entry/exit to each garage floor, intuVision Video Analytics server. intuVision Parking analytics counts entering and exiting vehicles to obtain real-time spot availability, and uses spot-by-spot analysis for handicapped and reserved spots as well as EV charging bays for maximum accuracy.

Following an extended test period comparing the manual and the automated counts and doing regular spot checks the counts consistently achieved accuracy in the mid 90% meeting the requirements of the city.

