



## Transportation Solution in an Urban Environment

*Intelligent Traffic Solution from ISS is a Game Changer for Santiago, Chile*

### KEY FEATURES

- SecurOS Enterprise
- Video Analytics
- License Plate Recognition
- Distributed Architecture
- Centralized Monitoring
- Central Command and Control

### BACKGROUND

Everyone who has driven in a big city has seen the lanes that are marked for bus and/or emergency vehicles. Some may have wondered how it is cities can enforce traffic laws related to these lanes, in particular drivers of private vehicles who pay no mind to various restrictions and regularly drive in these lanes. The city of Santiago, Chile has come up with a solution.

For years, drivers in this city have regularly ignored ordinances that forbade them from being in a bus lane unless they were going to make a right hand turn at a particular intersection. The reasons for this had to do with maintaining traffic flow and safety. Drivers who proceed straight ahead in such circumstances can contribute to gridlock as well as cause accidents.

There were simply not enough officers available to monitor such situations. The transportation department in Santiago sought a solution that was both automated and cost efficient.

After much investigation, they decided their best solution would involve a combination of video surveillance and License Plate Recognition (LPR). After consultations with integrator Protab, they decided to use Bosch and Axis IP video surveillance cameras and SecurOS LPR software from Intelligent Security Systems (ISS).



### THE SOLUTION

Axis and Bosch video surveillance cameras equipped with SecurOS LPR software have been installed at various problem intersections throughout the city. With LPR, vehicles that violate bus lane regulations have their plate number captured. Video surveillance cameras capture an image of the vehicle in question, which assures that it matches the vehicle type associated with this plate. These images are then relayed to a server at the transportation department and then reviewed. A ticket can then be automatically issued through the computer system and sent to the driver.

Carlos Aranda, Infrastructure Manager for the Ministry of Transport and Telecommunications (MTT) in Santiago commented, "We had great concerns about how this would all work. We wanted to minimize the possibility of errors, whether in failing to capture violators or ticketing those who, in fact, were not in violation. This had to be win-win right from the beginning because public pushback of any kind could really work against us." He added, "Because of the past history of success of ISS in this arena and the

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Carlos Diaz,  
Country Manager, Chile, ISS



sort of comprehensive platform they offered, along with the winning teams of Protab and Anixter, we had assurance right from the start that any issues could be easily addressed and resolved.”

## THE RESULTS

With Bosch and Axis cameras in place along with SecurOS LPR, intersections in Santiago that historically were quite problematic with drivers violating bus lane rules have already seen improvement.

“It’s very simple,” said Carlos Diaz, Country Manager for ISS in Chile. “Drivers have been forced to be accountable by our new system. If they are in the bus lane to turn right and continue straight ahead, they know now that we will capture their license plate and an image of their car, and that a substantial fine will be automatic. Signs give them ample notice to exit the lane if they plan to continue straight, so there’s no reason for them not to do so if they’re not going to turn.”

Diaz added that this security system has also improved the flow of bus traffic. “They actually travel faster now because they’re not being held up by drivers trying to proceed illegally from the turn lane to stay straight ahead. So it’s actually making our bus system more efficient, saving us both money and time.” He concluded, “I cannot overstate the reliability and convenience of these automated features, from capturing violators to issuing tickets. The images are very clear and the process is seamless. Also, we don’t need as many traffic safety officers as before in such areas, which is definitely being looked at in the bigger picture for further cost savings to the city.”



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