Security Solutions

Manage risk, increase site security.
Security applications can be the most challenging uses of ALPR as 100% accuracy is often required. Cameras are usually positioned at site entrances and may be required to connect to barriers, LED signs or traffic lights.

The ALPR systems are required to read all license plates of approaching vehicles to allow access to employees or guide them to specific lanes for fast track entry. Personnel databases can be regularly synchronized and the system can display photos of drivers as vehicles approach for identification.

Staff hotlists can alert security of dismissed employees or known troublemakers or simply notify staff of important deliveries. Alarms can be both audible and visual and text messages or automatically generated e-mails can be sent to key staff informing them of important visitors or indeed intruders.

Access control and timing options can permit or prevent access of certain vehicles at specific times and temporary visitors can be added to the database with a preset time period to grant short term access.

Accurate site entry and exit records of all vehicle movements including color images of the vehicle and driver can be stored for long periods for later analysis and reporting.

The system can be linked to several Under Vehicle Scanning Systems where plate details and images of the vehicle are stored alongside the under vehicle images for easy identification when an anomaly is detected. Nuclear / Fissile material scanning systems can be integrated and multiple color images and pre and post-event video stored with every passing vehicle.

Security Modules

Relay Module
- Relay control to open gates or barriers, raise road blockers, control traffic lights or trigger relay alarms.

Alarms
- A local alarm displays a visual alert whenever a vehicle listed in a particular category is seen and recorded by the ALPR system.

Text Messages
- SMS Module, when used with a CitySync modem enables messages to be sent to one or more mobile phones. SMS messages can be sent on a database match or on a category-specific alarm.

Frequent Visitor
- Calculates how many times vehicles have been seen on a site over a specific period. These are allocated to a database category on which you can generate alarms. E.g. raise an alarm if an unknown vehicle has been detected around your site more than 8 times this week.

E-mail
- An e-mail can be sent to several recipients with details of the ALPR event that triggered it.

LED Sign or Relay Control
- This links to a supported LED display sign which can display information about the most recent vehicle, the current parking ramp count or status. This can be used to communicate information to the driver.
White List / Black Lists
• Matches license plates against an unauthorized list of parking ramp users. Includes a vehicle alert capability.

Identification
• Photo IDs and personal data can be associated with each license plate in the database for added security. These are displayed as each vehicle approaches the ALPR camera.

Vehicle Motion Detection (VMD)
• Vehicles with no plates or damaged plates are detected. Color images of these vehicles are captured and alarms transmitted.

Third Party Interfaces
• Autoscope software can be integrated with third party security systems. Please contact the sales team for more information.

Reporting
• Creates graphs showing traffic volume by time, weekday, category, lane, country and dwell times. The module can then compare two sets of dates/periods.

Autoscope Sn-100
The Autoscope Sn-110 offers the perfect solution for security barriers covering a 3m wide area. The Sn-110 provides clear images of number plates day and night regardless of headlight glare.

Autoscope Pn-100
Up to 4 Autoscope Pn-100 cameras with integrated overviews can be connected to a single PC. They provide long range recognition of a single lane of traffic.

Autoscope Sn-130
The Autoscope Sn-130 range of cameras is designed for optimal positioning for reading plates at site entrances. The housing provides a mounting for the ALPR camera at approximately the same height as front car plates, reducing the issue with line of sight problems i.e. tailgating or queuing traffic.

Autoscope Sx-100
Autoscope Sx-100 is a fully portable handheld ALPR device running ISS’ full recognition engine. Using a handheld ALPR device speeds up the process of collecting number plates in the field by up to 30 times.

Sx-100 can collect information on parked vehicles including their GPS location and the unit can also be used to conduct spot checks on suspect vehicles by security staff at high risk sites or in urban environments. In this case the unit utilizes a secure on-board hotlist which automatically synchronizes with a master database from a remote server using a 3G connection keeping the user up-to-date at all times.
Security Case Studies

DVLA, Swansea
An Autoscope ALPR system has been deployed at the DVLA HQ in Swansea. The system comprises Autoscope Sn-130 & Pn-100 ALPR cameras with ALPR processing PCs connected to a central server. The system controls staff access to the site, provides instant data on car park occupancy & alerts security to unauthorized vehicles attempting to enter the premises.

Schiphol Airport, Netherlands
An Autoscope ALPR system is installed at Schiphol Airport covering the lanes on the approach road and access to and from the main terminal. This system is used by the police for security and hotlist matching. Data is sent to servers at the Airport Security Control Centre and the Dutch Military Police. With the increase in security risks and terrorism threats, ALPR helps to protect and control access to airport sites.

Worldwide Installations