Parking Solutions

Count, control and measure with ANPR
Autoscope Base ANPR software offers all the usual security features such as hotlists, alarms etc. However, over the last decade Image Sensing Systems has developed many advanced features, driven by our customers’ requirements, making Autoscope Base the ideal package to control challenging car park situations. CitySync Parking is ideal for the management of private car parks, hotel car parks and public parking. In fact, they can be used in virtually any parking application that requires control of unauthorised parking, raising revenue, reducing congestion, providing guidance to customers or simply monitoring usage.

Parking Modules

Server
- Server software designed to control multiple lanes from a centralised vehicle database.

Access Control
- Relay control to open gates or barriers on a database match. Create a database of users allowing different user groups to be assigned to automatically open the barrier or send alarms via SMS/Email. Allocate lanes as specific ‘in’ or ‘out’ lanes.

Roll Call
- Provides a list of the vehicles currently in the car park which can be searched by vehicle.

Overstay
- Automatically exports details of any vehicles that have stayed in the car park longer than the specified time period.

Car Counting
- Shows the number of used and remaining spaces in a parking ramp based on how many vehicles have entered/exited. It can provide counts for up to 8 parking structures.

Car Sharing
- Car share groups (car pools) can be set up to restrict access to one per group.
**Frequent Visitor**
- Calculates how many times vehicles have been seen on a site over a specific time period. These are allocated to a database category on which you can generate alarms or access control. E.g., send an email or SMS alarm if a vehicle has visited 3 of the car parks a total of more than 8 times this week.

**Temporary Visitors**
- Add an expected vehicle registration to the database with a preset time period for temporary site access.

**White Lists / Black Lists**
- Matches number plates against an unauthorised list of car park users. Includes a vehicle alert capability.

**Identification**
- Add a driver’s photo ID or personal data. These are displayed as a car approaches an ANPR camera.

**Alarms**
- A local alarm will display a visual alert whenever a vehicle listed in a certain category is seen by the ANPR system. E.g., VIPs or ex-employees.

**Traffic Light or Relay Control**
- Controls which relay outputs the system will trigger when a vehicle is seen and allowed / denied access. You can configure a barrier, traffic lights or third party signs or sensors.

**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.

**SMS 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.

**Email**
- Allows an email to be sent to one or more recipients with details of the ANPR event that triggered it.

**LED Sign or Static Sign Relay Control**
- This links to a supported LED display sign which can display information about the most recent vehicle, the current car park count or status. This can be used to communicate information to the driver.

**Third Party Interfaces**
- Interfaces to third party ticketing systems. Features include lost ticket look up and a ticket mismatch alarm, whereby the system detects if a driver is trying to leave the car park with a ticket that does not match the vehicle that entered.

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

**Autoscope Ex-110 Intelligent Camera**
The Ex-110 intelligent camera can read plates up to 30m away. The Ex-110 does not require a local PC making it ideal for remote locations.

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

**Nottingham City Council**
Nottingham City Council installed an Automatic Number Plate Recognition (ANPR) access control system at Broadmarsh Multi Storey Car Park to provide contract and season ticket holder parking. CitySync’s Parking ANPR solution provided an easy-to-use and reliable system for special access areas. The system eliminated ongoing costs for pass cards and the associated complications of managing them.

**Dubai Mall**
Dubai Mall has over 1200 shops and 16,000 car park spaces. They required a system to help visitors locate their vehicle. ISS’ ANPR Technology won the contract after multiple vendors trialled a sample system which had to read the plates of all the UAE States and be able to differentiate them. This 240 lane ANPR project was installed by ISS Partner, Bond Communications of Dubai. The System will also be used for security purposes as well as retail marketing analyses such as calculating vehicle flows and average dwell times on site.

Worldwide Installations

[Map of worldwide installations showing various locations such as Hong Kong/Chinese Border, Dubai Mall, UAE, Greek Traffic, Italian Police, etc.]

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Part Number 4120 Rev 150130

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