Automatic Number Plate Recognition (ANPR) &

Licence Plate Recognition (LPR) Systems

- **International Licence Plate Recognition Software**
- **Car Park Management**
- **Real Time Inventory of Vehicles / Licence Plates**
- **Vehicle Access Control**
- **Fast Capture up to 130Mph**
- **Complete Range of Reporting for all Events &Movements**
- **Comprehensive archiving Facility**
- **Black List & Exclusions Facility**
- **White List & automated Access**
- **Variable Message Signs**

plettac Optical Character Identification Systems have been developed to provide the best international security identification solutions for Traffic Management Systems.

The systems are the latest sate of the art products addressing specific identification needs such as International Licence Plate Recognition for police & Civil enforcement, car park management systems & access Control. All system functions have been designed to be easily used by both operators & management staff.

The **ANPR / LPR** systems can be custom built to the application and the software tailored to suit the end user.

Images of number plates can be captured in different ways, this can also depend on what type of cameras are being used with the system, normal Colour CCTV cameras can be used in daytime and areas where lighting is good, these can also be dual purpose when not being used solely for ANPR, they can be used for normal surveillance, using external sensors to trigger the cameras back to a preset position for an approaching vehicle. Monochrome with Infra Red-illumination can be used, this is where images of the vehicle its self are not important but number plates are. Then there is IR dual Colour during daylight hours and automatic IR illumination & monochrome on a night time.

Systems can also be configured to capture overview cameras at the same and store these images along with the one of the captured licence plate.

Automatic Number Plate Recognition (ANPR) &

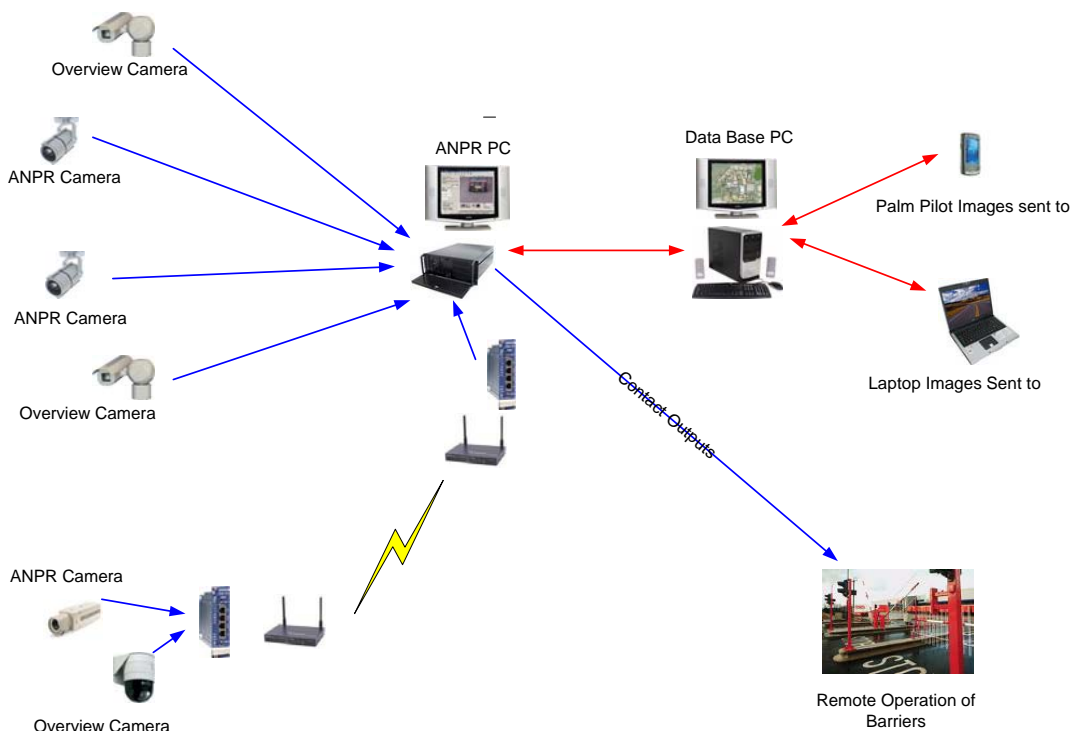# Licence Plate Recognition (LPR) Systems

Software Modules

Car Park Management System

The Car Park Management module provides the vital software interface for ultimate car park management, this allows integration of car park ticketing systems (subject to interface), limited time parking etc. This system offers protection against the following :-

- ❑ **Lost Revenue**
- ❑ **Ticket Fraud / Swapping**
- ❑ **Vehicle Theft**
- ❑ **Timed Parking**

This system will automatically match & compare the pair of number plates together with the related ticket information at the exit of the car park. In case of a error a visual & Audio alarm alert the operator, the operator can then take the action required. Other Scenarios are places of time parking, after a specified time should the system not have picked up a number plate to have left the area within the timed allowed, images of the vehicle can be sent to ether an operator or directly to a printer, so can park enforcement officers can take the correct action, to allow everyone the ability to park.

All images taken of vehicles both Entry and exit are made available to the operator, allowing for visual check of the make & model along with licence plates.

Overview Camera

ANPR Camera

ANPR PC

Data Base PC

Palm Pilot Images sent to

ANPR Camera

Overview Camera

Laptop Images Sent to

Contact Outputs

ANPR Camera

Overview Camera

Remote Operation of Barriers

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Stock Control

In Conjunction with the Car Park Management software system, the OCIS Stock Control offers real time inventory of vehicles / licence numbers that are currently inside the secure parking area, this is ideal for long term parking areas.

The stock control module is important tool for revenue & security as the stock list shows the recognition results of incoming / out going vehicles together with other information and an overview images as well if required.

- ❏ Date / Time
- ❏ Ticket Number
- ❏ Lane ID
- ❏ Park Area or Level
- ❏ Front Image
- ❏ Aids finding of vehicles in large areas (lost car etc)

Reporting Facility & Archiving

Reports can be generated for all kinds of events, operator log in, access control, sensor activations recurring vehicles entry / exits, with the ability to search using time and date. The reports can be printed or exported to analyse revenue information. The archiving options allow specific data from the database to be exported. The database can be back up at specified date & time to avoid loss of valuable data.

White List

Vehicles with prior agreed access, linked with the access control side of the OCIS can provide an automated entry / exit system with logged vehicle details.

Black List & Exclusions

Allow operators to input vehicle licence details of undesirables. On recognition the operator is alerted & any of the following actions taken :-

- ❏ Refused Entry
- ❏ Allowed Entry, but security notified
- ❏ Allowed Entry, but refused Exit
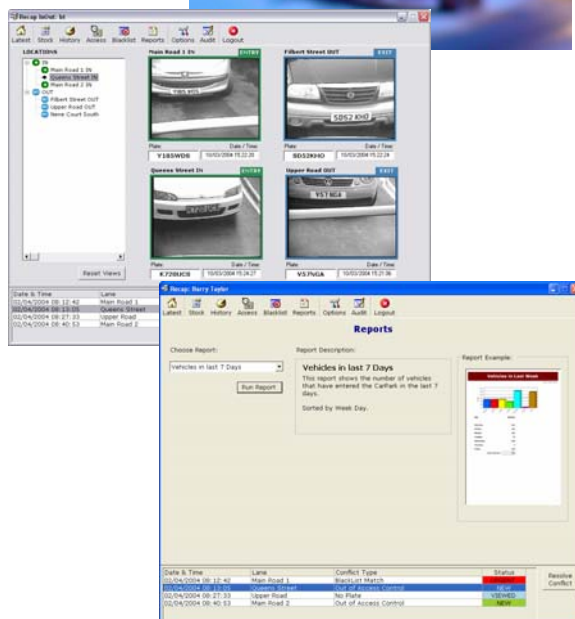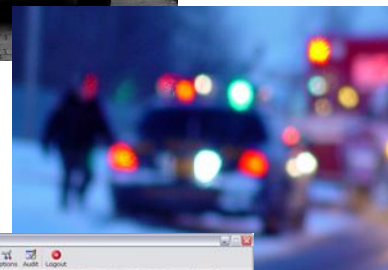
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Recognition of International Licence Plates

With the plettac ANPR / LPR system recognition of international licence plates can be achieved.

Access Control

The system can be configured to undertake access control, in conjunction with the white list & black list functions, this system can provide automated entry / exit or any of the functions described under the black list section. In the work place staff vehicle would beregistered and allowed access, pre-booked visitors could be entered in to the system for a date & time period and allowed automatic access, there is a manual override facility should the system fail to recognised a licence plate or visitor has a change of vehicle.

This type of system can be used in hospitals, staff parking areas, shopping centres loading bay areas allowed vehicle only, military sites, MOD vehicles allowed all other must report etc.

Variable Message Signs

The system can be linked to VMS signs to either display welcome information, parking directions, loading bay locations etc.

Bus Lane Enforcement

Plettac's ANPR system can also be used for us lane enforcement, all PSV's in the area would be registered on the system therefore allowing easy passage to areas of inner city, and exclusion from all non registered vehicles, visiting PSV's, HGV's & cars that require access to parts of inner city areas could be entered by the operator allowing for access to specific areas.
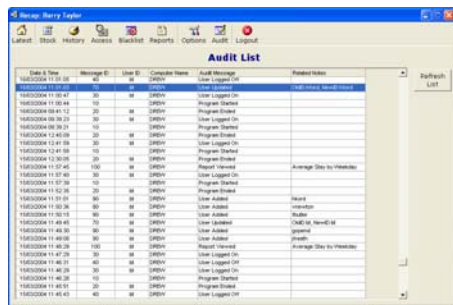
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Car Parks
- Integration with Car park Management Systems
- Access Control
- White List
- Black List
- Full Reports

High Speed Applications
- Law Enforcement
- Journey Time
- Congestion Charging Scheme
- Bus Lane Enforcement

Applications

- Airports
- Border Crossing
- Car Parks
- Hotels
- Hospitals
- Toll Roads
- Long Term Parking
- Season Parking
- Exhibition Centres
- Supermarkets
- Fast Food Chains
- Waste Management Sites
- Tunnels / Bridges
- Power Stations
- Ports
- Shopping Centres
- Park & Ride
- Theatres
- Company Car Parks
- VIP Car parks
- Traffic Monitoring
- Military Sites
- Universities & Colleges
- Railway Stations
- Filling Stations
- Golf Clubs
- Clubs & Pubs

Services plettac Security UK Offer

- Design of the System
- Planning
- Installation Assistance
- Commissioning
- Full Pre-build
- System Interfacing
- Consultancy

Related Products

- Dedicated ANPR Cameras
- Dual Use Cameras
- IR Lighting
- Digital Recording Systems
- Management Systems
- Fibre Optic Transmission equipment
- CCTV / Access Control Solutions

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System Example Working Over Fibre Optic Network Linking 10/100 Mbps
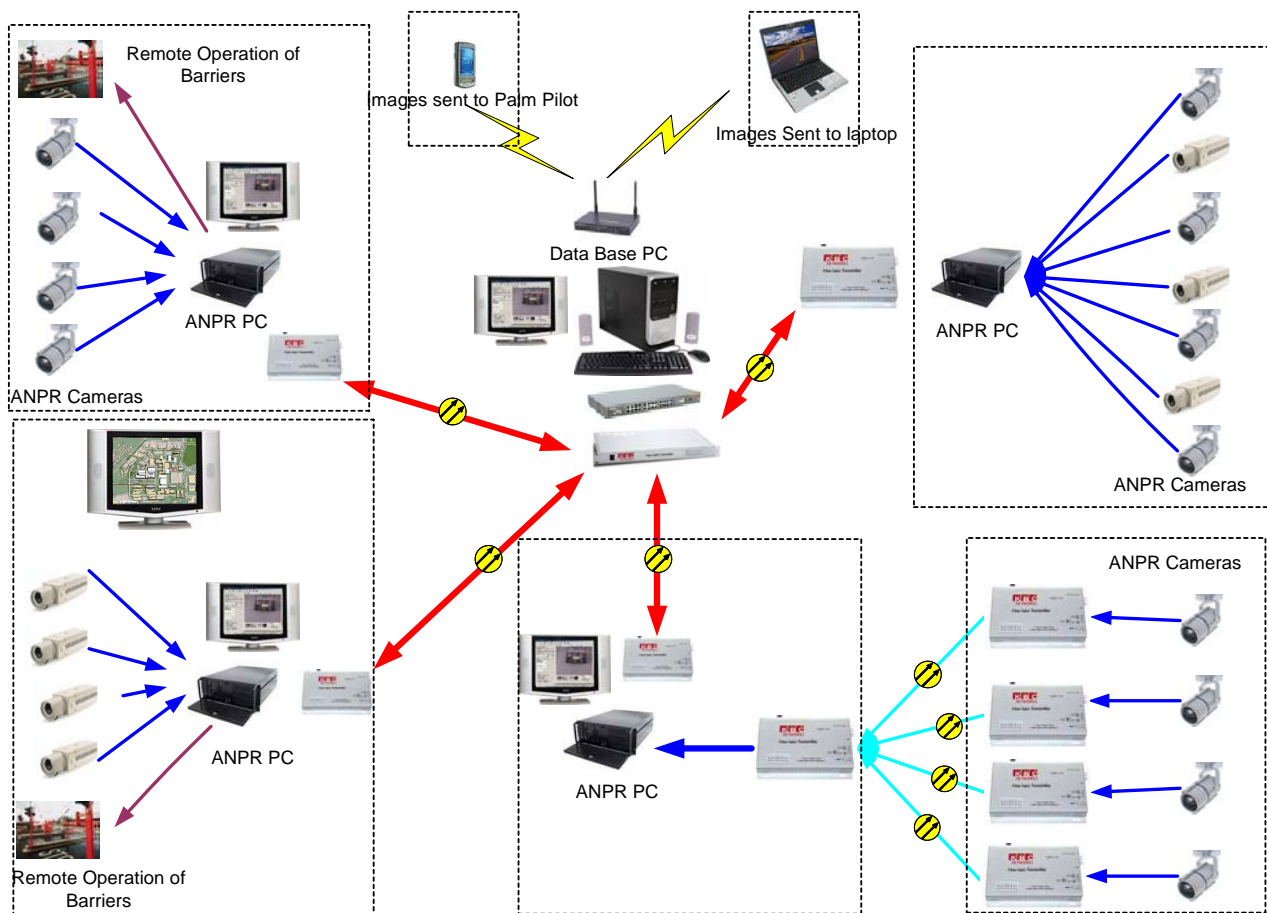
Should You Require any further information on ANPR Systems or any of our other products or services then please Contact us :- **0844 800 1725** or **sales@plettac-security.co.uk**

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International License Plates

Europe

- Austria
- Herzegovina
- Denmark
- France
- Croata
- Liechtenstein
- Macedonia
- United Kingdom
- Italy
- Spain
- Slovenia

- Belgium
- Bulgaria
- Estonia
- Greece
- Poland
- Lithuania
- Hungary
- Germany
- Portugal
- Sweden
- Turkey

- Bosnia
- Czech Republic
- Finland
- Netherlands
- Latvia
- Luxemburg
- Moldova
- Norway
- Romania
- Slovakia

North America

- United States of America
- Canada

Latin America

- Mexico

South America

- Brazil
- Chile

Australia

- Australia

Middle East

- Israel
- Saudi Arabia
- United Arab Emirates

Far East

- South Korea
- Sinapore
- Thailand
- Taiwan

Asia

- Kazakhstan

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