

Recognition engines integrating with Advantage.ANPR include:



AUTOMATIC NUMBER PLATE RECOGNITION

About us

Petards Vision is a wholly owned subsidiary of Screen Plc, acknowledged as innovators in the design, manufacture and supply of advanced security and surveillance solutions. Included in our product range are integrated security/surveillance control systems, management analysis applications, IP (Internet Protocol) video systems and mobile, wireless surveillance solutions.

Under the Petards brand, Screen develops and supports market-leading solutions for surveillance, integrated mobile data, In-car video and automatic recognition systems, as well as emergency services MIS, mobilisation and command and control systems.

advantage.anpr



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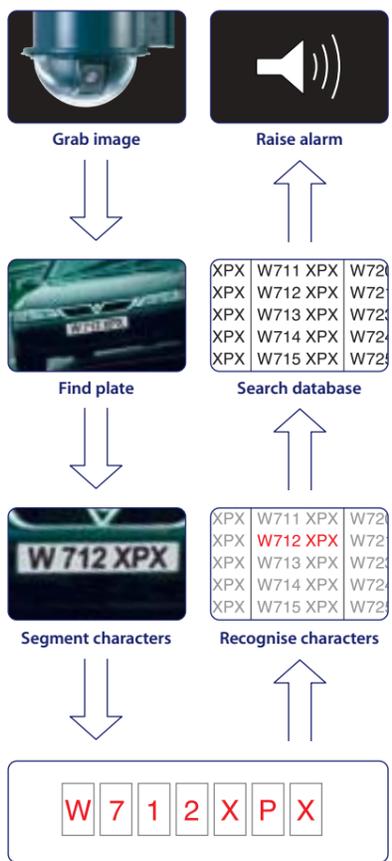
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AUTOMATIC NUMBER PLATE RECOGNITION SYSTEM

Petards Vision's **Advantage.ANPR** system provides a 'best of breed' approach to the integration of ANPR technology and CCTV surveillance. The **Advantage.ANPR** product capitalises on the use of Petards Vision's extensive experience of CCTV and Command and Control Systems (C&C) to provide a fully integrated "open architecture" ANPR Control System aiding intelligence-led policing.

The Recognition Process



Advantage.ANPR is highly modular, and can be operated either as a stand-alone ANPR application, integrated with an independent ANPR recognition engine, or incorporated into Petards Vision's large scale C&C system - Advantage.NeT+.

Independent recognition systems include CitySync, Computer Recognition Systems (CRS) and Appian/MMI. Where Petard's Advantage.NeT+ system is used, a complete IT based solution is provided, including CCTV Management, Event Handling and Number Plate Recognition and analysis.

In conjunction with the major manufacturers of ANPR engines, Advantage.ANPR can identify vehicles travelling at speeds in excess of 140 mph, and deliver accuracy in excess of 95%. Advantage.ANPR can take the captured vehicle number plates and automatically check them against a variety of back-office databases.



Databases

Advantage.ANPR provides access to centralised databases for automatic identification of suspect vehicles. These databases can include PNC, local intelligence databases, customs and excise, other force databases, and the DVLA. The Advantage.ANPR open architecture supports all the main PNC gateways, including NDI, Civica and Anite via either the police National Network or PNN2. PNC lookup can use Fast-Track, extract files, or automated vehicle-enquiry to provide complete flexibility.

In the main, Advantage.ANPR when used in a surveillance application, can perform one or more of the following functions:

- **Data logging records the details of every identified vehicle to a database, which can then be browsed or searched on various criteria. This is often used by**

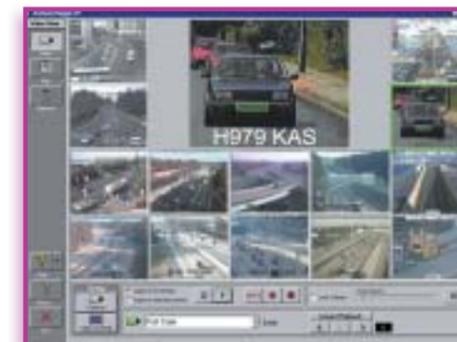
the police when a vehicle is seen behaving suspiciously, or is pulled over.

- **Blacklist matching cross-references every identified vehicle against one or more 'black-lists' of suspicious vehicles. If a match is found, the operator is immediately alerted, and an alarm is sent to the police or some other external system.**
- **White-list matching matches the number plate of each detected vehicle against one or more 'white-lists' of known vehicles. If a match is found, full vehicle and driver details pop-up, from which a resulting action can be taken. For example an employer may raise a barrier to allow entry to the company car park, or a fee may be charged to a customer's account.**

Static Advantage.ANPR (Incorporating Advantage.NeT+ C&C)

Static Advantage.ANPR is highly modular and can be scaled from a single-PC single-camera system to a networked client-server system with multiple recognition units, hundreds of cameras, and operator consoles distributed over a wide-area network. The system supports all the main ANPR engines so that the most appropriate system can be used for each particular application. It can also provide interfaces to legacy systems and databases.

In addition to the number-plate verification image, Advantage.ANPR can store one or more images of the vehicle from additional cameras and associate these with the ANPR details. An 'Explorer' style Graphical User Interface (GUI) provides easy search and retrieval, allowing the user to have historical tracking information on individual vehicles or groups of vehicles.



Static Advantage.ANPR with multi-camera viewer

Mobile Advantage.ANPR

Designed with compact and rugged technology, mobile Advantage.ANPR can be used in operational police vehicles. The system provides high accuracy and performance to support officers on the road, providing an extra set of eyes in the vehicle by silently monitoring traffic whilst the officer is carrying out normal activities; only involving the officer when a suspect vehicle is in view.



Ruggedised Mobile Advantage.ANPR

The operator is presented with clear concise information on a flat panel colour display. Captured number plates can be checked against multiple databases according to the users requirements. When a captured number plate matches against a database entry, an audible and visual alert is triggered and the vehicle's colour image is presented on screen together with its interpreted registration number and the relevant database entry.

Mobile Advantage.ANPR can be added as a seamless upgrade to MDT-7 (Mobile Data Terminal), which in turn can be integrated effectively with the in-car ProVida 2000.