

Uniclass
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GateREG ANPR Visitor Management System

Networked ANPR processor with barrier control, video capture and graphical reporting



Features and Benefits

Suitable for Car Parks, Hospitals, Surgeries, Ports, Schools, Garages, Hotels

Log Vehicles with multiple images

Alert Staff to vehicles of interest

Provide Car Park access control

Control unauthorised commuter parking

Increase gatehouse efficiency

Opens barriers / gates

Car Park auditing, ticketing and management

Allow sophisticated database management

Communicate with remote sites over LAN/WAN/3G

GateREG is a new breed of industrial ANPR system which is based on an embedded processor—not reliant on a desktop PC or hard disc. Supported by its internal UPS, it brings a new level of reliability to vehicle monitoring and access control. The stand-alone system is available in variants from single lane to 4-lane, with up to four (with an additional nine optional) overview cameras. Multiple systems can be expanded to over 1,000 ANPR camera lanes.

GateREG intelligently monitors approaching vehicles or oncoming traffic. The registration numbers may be matched with the information in its in-built proprietary database, displaying selected information, e.g. Driver Name, Image of Driver, Vehicle Make/Model.

It has been widely adopted by public sector and blue chip companies around the UK. Applications include parking, waste sites, commercial, education and police who can benefit from using vehicle data to monitor and manage authorised and unauthorised visitors.

The system can read UK, and many foreign number plates. It provides a host of services including control of vehicle barriers, gates or traffic lights, email or SMS notification of visitor arrival, recording of all vehicle site activity, message sign display, Wiegand output for access control integration, live and historical car park data usage and security prompts for black-listed vehicles.

It records data, as selected by the operator, in order to provide graphical reports on vehicle speed, journey times, stay times, flow rates and entry/exit balances. These report records are stored on the systems' in-built flash memory card and allows user-selected periods to be compared both graphically (in 2D or 3D) and by means of tabular data.

Cameras

A range of GateREG ANPR cameras is available for maximum ease of installation; incorporating pulsed IR-lamp, fast-shutter and remote zoom lens control. Camera options include in-built overview and speed detection.

Camera options



Model	Type	Mount	Range
LPSW20	Single	Wall/pole	3-20m
LPSW55	Single	Wall/pole	15-55m
LPDW20	Dual	Wall/pole	3-20m
LPDW55	Dual	Wall/pole	15-55m
LPSS55	Speed (Single)	Wall/pole	15-55m
LPSS55	Speed (Dual)	Wall/pole	15-55m
LPSB20	Bollard (Single)	Bollard	3-20m
LPDB20	Bollard (Single)	Bollard	3-20m



Accuracy

The system achieves a minimum accuracy of 98% when tested against the RealWorld Test Disk 1 (20mph), Real-World Test Disk 2 (45mph) and RealWorld Test Disk 3 (80mph). Practical results will typically be between 95-98%.

Speed

When used with a suitable recognition camera fitted with an appropriate lens, the system is capable of reliably detecting vehicle traveling in excess of 100mph.

Data storage

The processor is capable of storing up to 300,000 recognition records with full image capture without optional additional storage. A search facility is provided so that up to four search periods may be compared (both graphically and by means of tabular data) for any of the above reports.

External data interfaces

The system has the ability to automatically consult an external, third party database (e.g. parking payment machines, access control and weighbridge systems) whenever a plate is recognised. A web service interface is provided which employs a published interface. Format compatibility includes SQL, Oracle, excel and CSV files. The system has BOF II approval for querying the UK Police National Computer.

Networking

The systems can be networked across multiple locations, allowing personnel to monitor the movement of vehicles of interest over several locations.

Time accuracy

The ANPR system can synchronise it's system clock to network time of the National Physical Laboratory MSF transmitter.



GateREG system available as desktop, rack mount or external IP67 weather-proof enclosure.

Rack mount dimensions: 70x485x420 mm