JENOPTIK

VORTEX

Traffic technology solutions to improve roads, journeys and communities

Jenoptik VORTEX Security & Access Control Solution.

The **VORTEX** ANPR (Automatic Number Plate Recognition) Access Control solution provides one of the most efficient ways of controlling traffic from a small car park to a major Access Control project with multiple entry and exit points. The system is capable of handling more than 4000 cameras from 250 processors simultaneously in real-time. The VORTEX Access Control System uses state-of-the-art software to efficiently manage entry/exit traffic, traffic flow, journey time/dwell time as well as many other applications.

A typical VORTEX Access Control System would comprise of an ANPR camera, a number plate recognition computer with installed ANPR software engine, VORTEX Access Control application and optional barriers or variable messaging signs.

The Jenoptik Access Control software has been created by combining the industry leading Jenoptik ANPR engine with sophisticated bolt-on modules for Access Control and Car Park Management applications.

Each window is designed to be clean, consistent and informative , with as much automation as possible. In normal operation you can just observe the main screen which provides all the information you need.

Security & Access Control

Event

The event panel automatically displays each new vehicle on detection. The infra red plate patch image and full overview recognition image may be enlarged by clicking the associated magnifier. To check the current live image from any camera, including networked cameras, you can simply click the 'live' button. In addition, when configured, other information such as current capture speed are also provided, and whether the latest capture has recorded a movie clip or additional overview image. If so, these can be viewed instantly by clicking on the record in the recent panel at the bottom of the main screen.

Vehicle

Every vehicle captured is checked against the system database and any matches (white list/ black list) are automatically displayed in the vehicle panel. Report alarms are also checked and displayed together with any special message for this vehicle. The vehicle enquiry database is sophisticated and fully scalable. The database stores vehicle and driver details, complete with optional images to assist the operator when presented with a recognition event. It's also fully searchable by full or part plate (starting, ending, or containing certain characters) by group, or by any keyword such as name, company, vehicle, model or colour. Whether you wish to maintain detailed records on tens of thousands of vehicles or just need to keep an up-to-date list of suspect vehicles in order to raise the alarm on detection, the database is a key part of VORTEX.

View Site Maps

As an option, you can view specially drawn site maps that show an operator the position of the cameras and capture points, subject to availability.

Search & Compare

Charts may show live data in real-time or, by using the search facilities, compare data from up to four different periods. It is very easy to produce informative charts which, for example, might typically be used to identify car park peak usage times (monthly) or to check the average car park stay (days of week).

Cameras

Each time a vehicle is captured, the associated camera is automatically selected and its location image displayed in the cameras panel. As well as a street plan view, camera locations can also be displayed as a photo of the location. For a closer look, the user may click the magnifier to display the image in full screen mode. In addition to a camera location name, each camera is also assigned to a unique ID. This allows the operator of a network server with multiple cameras to automatically see the location image no matter how large the system.
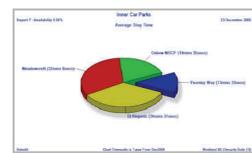
Review

Selecting any record in the recent list will take you to the review screen. Here single capture images or ANPR movies can be viewed together with any associated alarm or database information. ANPR movies may be played at a choice of speeds or stepped through frame by frame. When a single movie frame needs closer examination it may be enlarged, printed, and exported. The review screen also provides search capabilities which have been carefully designed and thought out to provide a very quick response, even when dealing with millions of records. Records may be searched by time, date, group, camera, plate text, (full, part, containing, ending) and also by event (speeding, stay time, and journey time).

Comprehensive Reporting

The Jenoptik VORTEX system provides comprehensive graphical reporting with all systems - for single cameras to multiple cameras. Up to 16 reports may be set and each can have up to four 'plots'.

Reports may be chosen from any of the following categories: Vehicle flow/count; Average speed detection (if speed module installed); Average journey time (between two cameras); Average stay time; Entry/exit data analysis; Speed Analysis; Journey time analysis; Stay time analysis.

Designed for Decades of Data

Charts may show any period from 1 hour to 24 years, with data stored in 5 minutes increments.