



Quality ANPR data management & reporting through  
a centralised back office & management server.

**SHARING EXCELLENCE**

# Fully web-enabled ANPR back office and management server

## A powerful and fully scalable solution

### Features and benefits

The TraffiData back office (BOF) is a fully functional, web-based back office system, providing storage, matching and reporting of ANPR data.

- Fully analytical capability, allowing post incident analysis and reporting, live and retrospective
- BOF to BOF
- Capable of ingesting 100+million reads per day
- Supports MS Server 2008(r2), 2012(r2), 2014 & 2016

### Overview

Designed to manage large and complex fixed site, in-car and mobile ANPR systems for high-end users such as police, customs and local authorities. Continued development is based on end user interaction to meet the ongoing and changing requirements of the police. TraffiData is capable of receiving, processing and storing millions of reads per day together with their associated plate and overview images or motion video clips. This data can be archived and stored for many years if required.

Extended management facilities allow the user to intelligently purge stored ANPR data, enabling records to be stripped from the archive based on specific rules or time scales. The design and architecture of the system is highly modular, enabling it to be customised and tailored to suit specialist customer applications.

The client management functions are supported via either a desktop Windows application or a web based interface. This allows various users to connect securely to the TraffiData server using any remote PC with a standard web browser and internet connection (Requires Microsoft JVM or Sun Java). TraffiData is structured to enable each

operator to manage and control their own local ANPR environment.

However, for added security “rights based” accounts are assigned to users, enabling the administrator to control in fine detail each operator’s overall environment. This can be based on cameras, PNC, hot-list etc.

This vital tool allows the administrator to control user information on a “need-to-know” basis, giving control over sensitive data during specialist operations. Powerful user features enable operators to fully interact with the ANPR environment in real time i.e.: the ability to correct misreads on the fly, re-check against the matching database criteria, and redistribute these corrections system wide.

The on-board GIS mapping facility provides another dimension to the operator interface, overlaying alert information in real time onto detailed maps. This enables the operator to clearly identify the alert location. User activity is fully audited and this data can be reviewed by the administrator via the client application.

### Specification

The received ANPR data can be matched against various hot-list, bulk hot-list, NCIC and PNC fast track in real time. Live alerts are distributed to all users and displayed as an audible/visual alert or can be transmitted as SMS, email, or pager message. A logged-in user has the ability to filter what alerts they receive locally on the ANPR client based on camera locations, hot-lists and PNC markers.

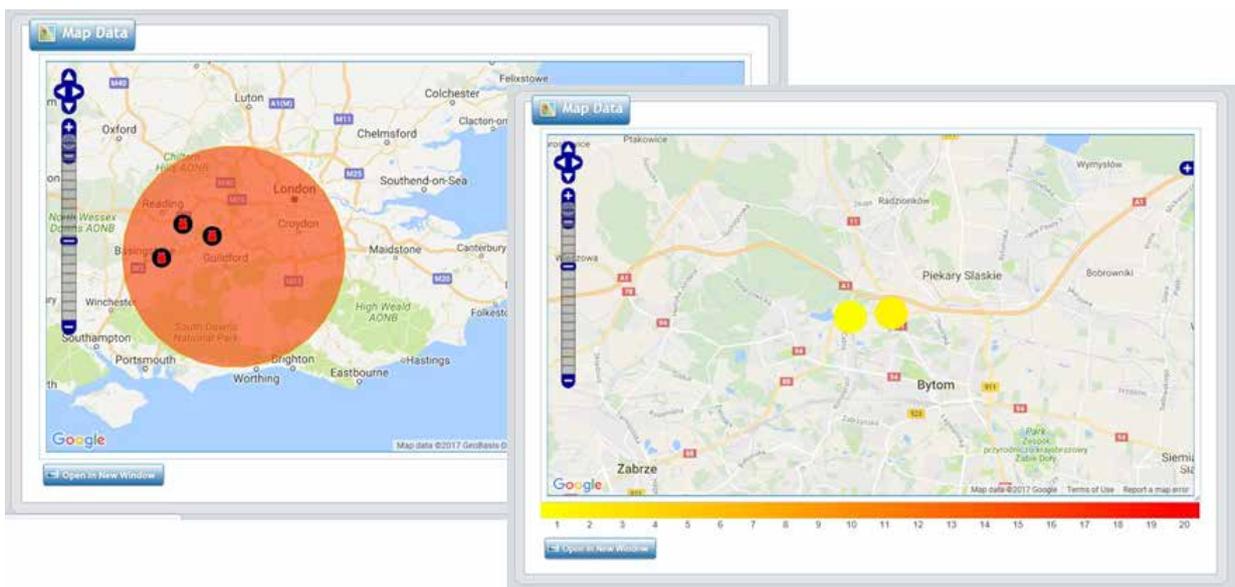


TraffiData supports any number of “standard hot-lists” (up to 50,000 vehicles) and in addition accepts up to four “bulk hot-lists” (more than 50,000 vehicles) such as DVLA no tax, DVLA no keeper and MIDAS. The system uses a wizard based approach to import external hot-lists allowing any format file to be imported as a hot-list to the system

Once a unique profile for a hot-list has been produced, further updates can be processed by a simple file drop or email. An advanced and sophisticated search facility is provided which allows detailed mining of bulk ANPR data, based on partial or full VRM, date/time, hot-list, PNC marker, camera, location, make, model, colour etc.

These search results can also be exported into standard file types such as .pdf, .xls, and .doc for ease of use and onward distribution.

To compliment its high level search engine, TraffiData provides excellent report generation, enabling mined data to be presented in various user friendly formats. These reports can be fully customised by the administrator to provide additional information such as vehicle flows, vehicle counts, alert statistics etc. Standard “daily reports” can also be configured to provide automatic day to day statistics from the system, and these can be distributed via e-mail to various administrators.



Area based “geo search”

Time based heat map



## Technical overview

TraffiData is available in the following versions:

### Version one

- For small to medium sized infrastructures
- Maximum 500,000 daily read rate
- Ten simultaneous users can be expanded up to 50
- 50 connections can be expanded to 100
- Up to 12 months storage
- Two analytical modules can be added

### Technical specification

- Web browsers IE10 and above, Chrome, Safari, Firefox
- Supports MS Server 2008(R2), 2012(R2), 2014 and 2016
- Full graphical based camera management diagnostics

### Version two

- For large and national sized ANPR infrastructures
- Full analytical capability, allowing BOF to BOF and NADC interface (VRM search)
- Full graphical based camera management diagnostics
- Capable of ingesting 100+ million reads per day
- 25 simultaneous users can be expanded
- Feature rich
- Integration with third party data sets

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