

# HELIX GRAFANA

## Graphical Display of ALPR Data



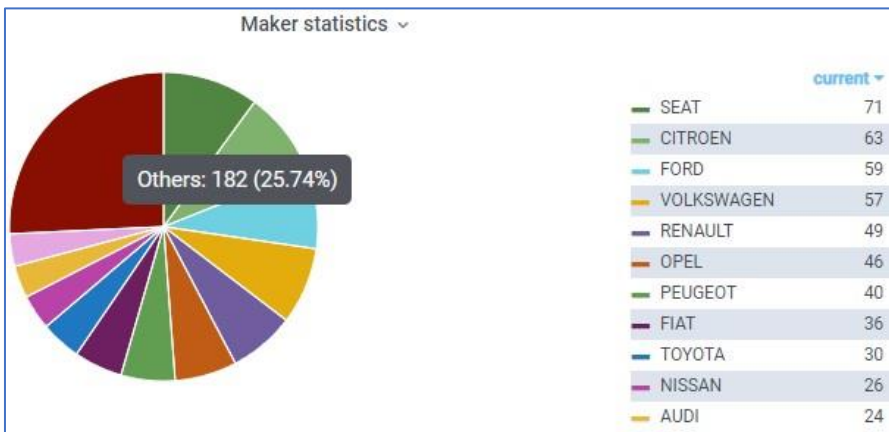
- ### ALPR DATA VISUALISATION
- Instant ALPR graphics
  - User-definable graphs
  - Simple setup within Helix

### HELIX GRAFANA is now included in the Helix Back Office.

Grafana is an open-source analytics and monitoring solution for databases and allows users to query, visualise and alert on their site metrics. It uses the data stored within Helix to provide tailored reports such as traffic volume or area capacities including maps of where plates have been read if they have associated GPS data.

Dashboards can be set up and tailored for each Helix user to display data in various forms including tables, text, heatmaps or Bar, Line or Pie Charts from the many graphs and styles included. Numerous other third-party plugins are also available for more complex displays such as 3D visualisations, radar graphs or bubble charts.

*Vaxtor also offer a Grafana customisation service whereby we can configure a dashboard specifically to a client's needs. Contact Vaxtor for details.*



**Human brains are hardwired to process visual content.**

*It is estimated that we can input and interpret visual data at speeds of up to 60,000 times faster than reading simple text.*

*Grafana can do this within Helix.*

**The Helix back Office can connect to hundreds of remote ALPR cameras running the Vaxtor ALPR software. This ALPR data is continually arriving for central storage or alarm triggering and the Grafana Plugin can instantly transform this data into colourful charts and graphs with the click of a button to help you or your clients easily visualise the data. Users can roll the mouse over a graph to instantly see more detail as in the example above.**

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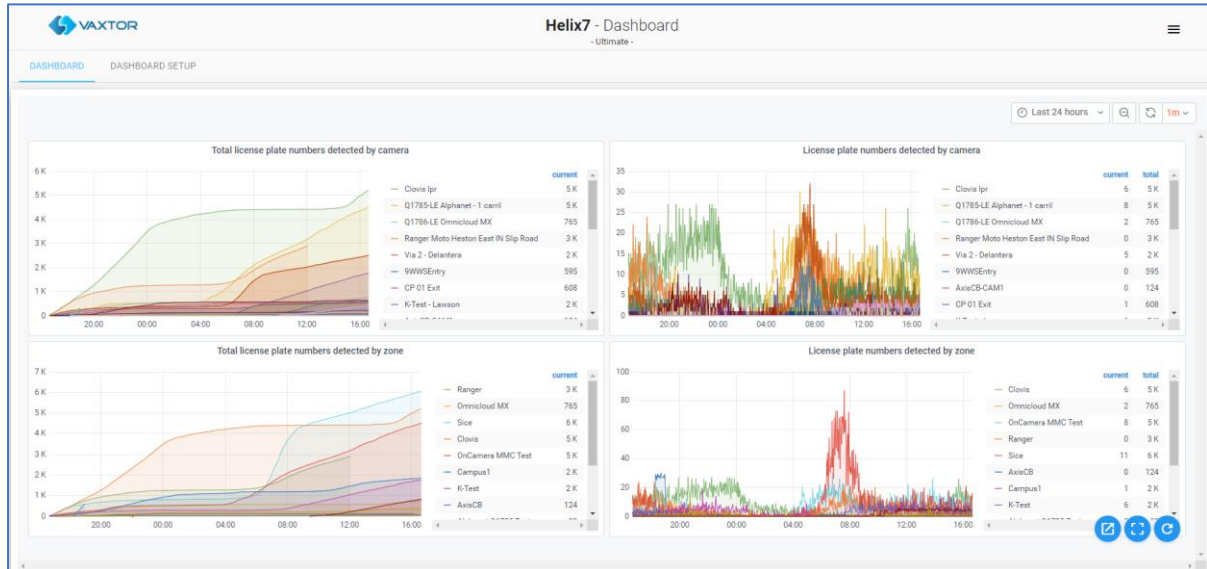
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## Graphical Display of ALPR Data

A default dashboard is included with Helix Grafana which will analyse all of your stored Helix ALPR data and display the total license plate numbers detected by camera and zone in both in area and line charts:



An administrator can set up multiple remote Helix users (seats) at no extra cost, each with their own secure logon credentials. Each user can be authorised to view data from certain cameras across an ALPR estate and individual dashboards can be configured for each type of user.

### Typical uses of graphical visualisation include:

- Viewing the average time between vehicles
- Vehicles seen in a zone by make or model
- Average time taken on a section of road
- Average speeds of vehicles in a particular zone
- Arrivals displayed by the hour at a shopping mall
- Graphs of high polluting vehicles for clean air zones or traffic surveys
- Airport usage demographics
- .... and many more.

*Helix data can also be extracted via the Vaxtor API for further processing and display.*

*Note: Grafana is a third-party open-source product and as such we are not able to offer support for its functionality. See [www.grafana.com](http://www.grafana.com) for details and full documentation. In addition, there are many training videos on YouTube available including a beginners' guide to help get you started and design your own graphs.*