



# Airscan

## The Wireless Journey Time Solution

Airscan from Iknaiia provides intelligent and accurate measurement of vehicle and pedestrian journey times and behaviour using cost-effective sensor technology that can be quickly and easily deployed on diversion routes and congested areas.

Airscan is a completely portable solution and can be set up for permanent and temporary journey time monitoring and real-time active management of diversion routes. It is used to give information to drivers by presenting accurate journey time at roadside on variable message signs, or exported via API to third party applications.

Airscan also combines Bluetooth Low Energy Beacons to effectively 'Check-in' staff members and track and monitor assets.

It is suitable for short and long distance journey time monitoring and capable of tracking Bluetooth and Wi-Fi ids up to a range of 150m, and up to 70mph.

## Analyze and actively Manage Traffic Congestion

The key intelligence of the system is in the unique algorithms that interpret the data collected from the devices and then calculates the time from point to point. This takes into account data from unwanted zones and eliminates anomalies to give accurate journey time monitoring.

Data is transmitted to our cloud hosted servers using 3G/4G sim cards and provides a real-time view of diversion impacts. Our online Management Dashboard enables workers to set up schemes at roadside, and view real-time data.

Airscan has its own internal battery pack, but can be powered using solar or a normal power supply. It also comes with a range of mounting brackets to attach to lampposts or other roadside equipment.

- Reduces Traffic Congestion
- Offers drivers advance information on journey times
- Reports journey times for short & long distance
- Temporary or permanent installations available
- Easy to set up and install
- Web Management dashboard optimised for mobile devices
- Generates alerts to roadside variable message signs
- Useful for pedestrian & crowd monitoring

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## M3 Smart Motorway Project 2016

- Airscan was trialled and tested on the M3 Smart Motorway Project
- The Blue Circle Trophy award was awarded to Colas Limited at the 2017 MPA Health & Safety Conference and Awards in Euston, London for 'Active Management of Diversion Routes' using Airscan



### Hardware

Variety of enclosures to suit any environment.

Injection moulded and heavy duty ruggedized IP66 rated protected from dust and capable of withstanding wet weather.

Multiple choice of internal and external antennas available dependent upon enclosure type, additional directional antennas can be added to extend capture range and define sectors.

Low power consumption with battery power management with optional solar inputs to suit any applications.

3G/4G connectivity for data collection, Mesh Wi-Fi network incorporated to connect multiple devices and offer 'Hotspot' services

### Software

Cloud hosted data presented in real time onto a web management interface optimised for PC, tablet and all mobile devices.

Providing reports, generating alerts and pushing messages to third party applications.

Unique detection zone algorithms written to exclude data from unwanted zones and eliminate anomalies.

Compatible with multiple third party products including variable message signs.

Fully integrated into Iknaia Intelligent tracking solution to enable staff 'check-in' and asset management.

Air pollution, heat and other environmental sensors also available.

