



Remote Access Traffic Data

Remote Access Traffic Data Collection

Transmission of data over the 3G network has enabled improved processes for monitoring and analysing traffic information remotely. Remote connection to traffic data sites provides the convenience of online data download and site health check.

FieldPod® adds the benefits of remote communication to both temporary and permanent MetroCount technologies. Developed in order to improve efficiency by reducing or even eliminating hours spent at the roadside, FieldPod® is the result of continued engagement and collaboration with traffic professionals around the world.

Built in Redundancy for Continuity

The modularity of the FieldPod® systems enables an unmatched level of data recording redundancy. In the event of network failures or internal battery failure, sites will continue to record data despite connections being cut. Reliable fail safes allow road managers to schedule repairs at their convenience without any data loss. Sites monitored remotely decrease the cost of routine visits and minimise interruptions to traffic.

Low Power - Low Maintenance

Employing the same emphasis on low power consumption that has made MetroCount traffic counters so popular, FieldPod® has been engineered to operate for long periods of time on battery power.

FieldPod® sites can be coupled with solar panels to provide power indefinitely. This low power hardware solution reduces maintenance costs and time, and enables continuous traffic monitoring.

Secure, but Simple

Designed with simplicity in mind, FieldPod® traffic data is securely recorded, stored and transported in MetroCount's encrypted data format. Data is collected 24/7 and sent to the end user at routine intervals.

One FieldPod®, Multiple Units

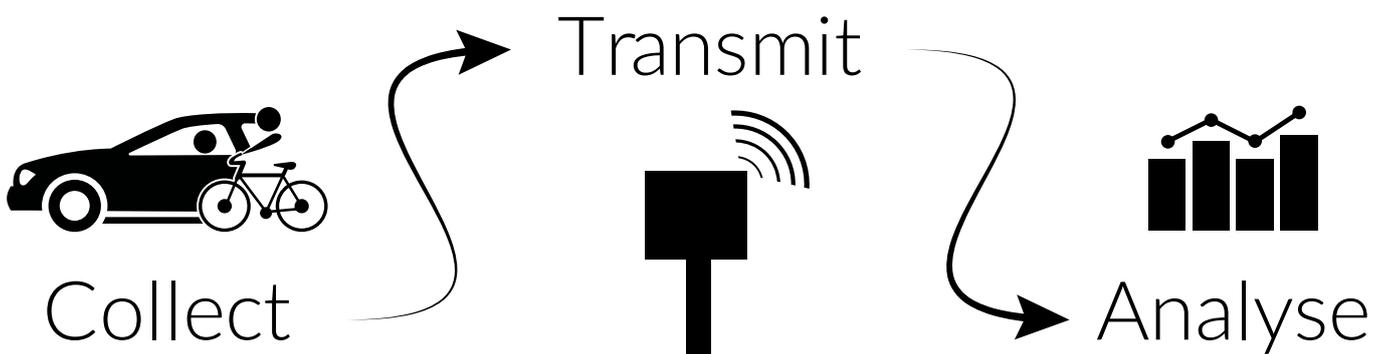
To monitor multi-lane sites effectively, connect up to two MetroCount classifiers to a single FieldPod® remote access unit. For example, two MC5805 Inductive Loop Counters can transmit volume data for up to 8 lanes of traffic, all through a single remote access unit.

Spend Less, Monitor More

FieldPod® plans are catered to an organisation's needs, reducing initial outlay for equipment and spreading the cost of surveys out to make traffic survey budgeting predictable long-term.

Proven Stability

With over 5 years experience, FieldPod® is a mature, stable, and secure platform. MetroCount can customise the delivery mechanisms to assist managers in building robust traffic data systems.



FieldPod® Technical Details

Manage Sites in MTE™

Like all MetroCount products, FieldPod® is operated within our MTE™ software. Remote access allows operation of road side units in the same manner as a direct connection. Check data quality, unload data, monitor voltage and check the RSU status all without leaving the office.

Compatibility

FieldPod® is compatible with most MetroCount sensor technologies, with the exception of the MC5712 and MC5740 units. Existing sites can be retrofitted with suitable infrastructure to add remote data access. If required, FieldPod® sites can be monitored manually without any data loss.

Data Scheduling

Operators can schedule data to be delivered weekly, monthly or on a custom schedule, with files delivered via email or direct FTP. There is also the option to access sites and download the data autonomously. For a full end-to-end solution, MetroCount can automate the delivery of customised reports.

Mobile Network Accessibility

Connecting to available mobile network infrastructure, FieldPod® works anywhere that has available mobile phone coverage. MetroCount provide SIM cards to manage the connection across the network.



The Remote Access Module enables two way communication between roadside traffic sites and MTE™.



“ With remote access our traffic data simply lands in my email box, it couldn't be easier. ”

**Nick Davies - Principal Transport Officer
London Borough of Barking and Dagenham**