

THE CONNECTED UNDERCOVER VEHICLE

Covert Communications for Law Enforcement

The majority of vehicles deployed by law enforcement agencies are designed to be as visible as humanly possible. With lights flashing and sirens blaring, the objective is to ensure their presence is known. Some departments however, their goal is the opposite. They need their vehicles to keep a low profile, and go unnoticed while they perform covert operations. These vehicles still need to possess reliable and secure communications, and that's where RTO can help.



Business Needs | Ultra-Low Profile Data Connectivity

Law enforcement agencies know that having antennas conspicuously arrayed all over the roof and trunk of a vehicle is suboptimal. With limited vehicle real estate, most policing departments request low profile multi-element antennas so they can more easily fit all their other vital vehicle mounted equipment. But when it comes to covert surveillance and undercover detecting, nothing can be visibly affixed to the vehicle. They need small communications devices and even smaller antenna kits to minimize and outright eliminate suspected criminals ability to identify their agents in the field. Luckily for organizations that upfit these vehicles, the expert team at RTO is equipped to supply and install devices with low visibility footprints to suit their exacting needs.

Wireless Routers | AirLink® RV55 LTE-A Pro Router

For vehicles that need reliable and secure data transmission capabilities, but also need to keep a low profile, we recommend the AirLink RV55. This device from Sierra Wireless is available in WiFi equipped LTE-A Pro models certified on FirstNet®. Law enforcement agencies need ruggedized solutions capable of withstanding harsh environments and rough conditions. With the RV55 built to MIL-STD-810G specs with an IP64 rating, we can deliver the rugged reliability your undercover vehicles need to perform mission-critical covert operations.

Device Management | AirLink® Complete

Along with the purchase of each RV55 router comes a full year subscription to AirLink Complete; which includes options for an extended warranty, technical support, and access to AirLink Management Services (ALMS). ALMS is an easy to use cloud application that enables rapid device deployments with over the air registration, configuration, and updates. It enables you to monitor hundreds of router, network, and connected vehicle parameters in real-time with automatic alerts, event triggers, automatic data dumps, and more.

Multi-Band Antennas | Mobile Mark CVWG502

To inconspicuously boost cellular coverage, WiFi range, and GPS accuracy we recommend our undercover clients utilize CVWG502 antennas from Mobile Mark. These ultra compact units contain two cellular, two WiFi, and one GNSS element - providing 2x2 MiMo, 2x2 WiFi, and GNSS operation. Just like the RV55 router, the CVWG502 conforms to MIL-STD-810G specifications, and has an impressive IP67 rating.



Featured Solution
DEVICES AND SOFTWARE:

Vehicle Router:
AirLink® RV55

5-in-1 Antenna:
CVWG502

Cloud Software:
ALMS

CONTACT RTO TO ENGINEER YOUR COVERT CONNECTIVITY SOLUTION TODAY