



## Low Profile, Ku band Satcom on the Move Antennas

Communications on-the-move (COTM) or Satcom on-the-move (SOTM) enables highly mobile users such as the military, homeland security and public safety organizations to have access to mobile broadband connectivity, video and voice services for mission-critical communications. Specifically, it enables a vehicle equipped with a satellite antenna to establish communication with a satellite and maintain that communication while the vehicle is moving. Reliability, mobility, ubiquity and security are key elements of an effective SOTM solution for users who need communications across the battlefield, in the air, or on the sea.

To meet the COTM requirements of mission critical organizations (fast, flexible and secure), Spacenet Integrated Government Solutions (SIGS) offers its line of Raysat Antenna Systems low-profile, mobile satellite antennas. RaySat Antenna Systems re-conceptualized the design of the antenna by using low-profile and light-weight features in combination with technology that ensures fast, reliable and automatic antenna operation. With patented technology, its Ku band, 2-way, low-profile and compact satellite antennas bring reliable and cost-effective mobile satellite internet and broadband connectivity to fast-moving vehicles.

### Spacenet COTM Features

Satellite acquisition in < 1 minute

High-speed satellite tracking at vehicle speeds of up to 350 km/h

Satellite re-acquisition in < 1 second following LoS blockage

Uplink rate up to 4 Mbps

Automatic & autonomous operation

Sleek, compact & light-weight design

To learn more call 866.480.2263 or email [spacenetinfo@spacenet.com](mailto:spacenetinfo@spacenet.com)

## With large-scale deployments around the world, Raysat Antenna Systems offers field proven Satcom on-the-move antennas that are ideal for:

### **Military:**

Support for mobile satellite Internet, broadband connectivity, streaming video and VoIP, command and control, battlefield logistics, asset tracking and telemedicine leveraging mobile VSAT military antennas.

### **Homeland Security:**

In national efforts to prevent, prepare and respond to all types of man-made and natural hazards, reliable communications on the move (COTM) is critical, especially when terrestrial communications are not available.

### **First Responders:**

Search and rescue forces need a reliable and quickly implementable wide-scale back-up communication system in order to provide effective rescue services.

### **Security Contractors:**

Available to the security market at an economic price, our mobile satellite antennas offer broadband capabilities via satellite over a wide-spread area and support all types of data transfer.

### **Maritime:**

Many close-to-shore vessels lose the ability to link-up to terrestrial systems, such as cellular, radio and wi-fi communication. In these isolated and often dangerous environments, dependable and reliable communication with land is critical.

### **Research & Exploration:**

Research & exploration teams can leverage Raysat Antenna Systems to transmit real-time data from the field to the base station for immediate data collection and decision making.

### **Mobile Digital Satellite News Gathering:**

Specifically designed to offer in-transit broadcast of continuous live video, RaySat Antenna Systems 2-way, in-motion satellite antennas make the typical parabolic Digital Satellite News Gathering antennas obsolete.

### **General 2-way SatCom:**

With mobile satellite internet and broadband capability, RaySat Antenna Systems 2-way low-profile, in-motion, Ku band satellite antennas support reliable and secured data transfer for on-the-move vehicles for a wide variety of applications.

### **Transportation:**

Freight trains and barges can support logistical applications by using Raysat Antenna Systems for data transfer, and commuter rail trains can keep passengers connected while on the tracks.

## Low-Profile SatCom on the Move Satellite Antennas Systems



### **S-200**

This extremely light weight antenna offers 2-way broadband communication to both small and large vehicles on the move. The StealthRay 200 is designed to be compatible with any BUC up to 50 W.

## StealthRay Line of SOTM Low-Profile Antenna Systems

### **StealthRay 3000/20**



Featuring a 3 cm integrated 20W BUC, the StealthRay 3000/20 eliminates the need for expensive RF cables, increases EIRP efficiency and simplifies the installation process.

### **StealthRay 5000**



With increased Tx bit rates, the StealthRay 5000 supports the transfer of high quality streaming video from mobile units. Compatible with any external Ku BUC up to 50 W.

### **StealthRay 2000**



Compatible with any standard Ku BUC up to 50 W, the StealthRay 2000 allows end users to incorporate a BUC after purchase. The StealthRay 2000 supports 2-way broadband communication on moving vehicles.



**Spacenet Integrated  
Government Solutions**

Call 866.480.2263 for more information.