



INSTALLING
RELIABILITY



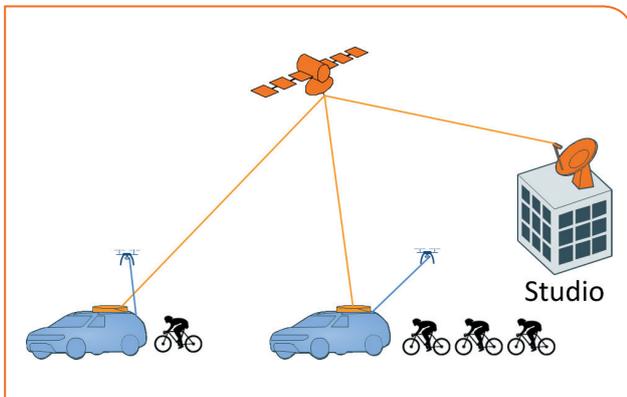
www.ndsatcom.com

NEWS-ON-THE-MOVE

FAST, FIRST-RATE SATELLITE
COMMUNICATIONS
EVERYWHERE

APPLICATION, E.G. SPORTING EVENTS

Today, especially during “on-the-Move” sporting events such as a cycle race, the action has to be followed via terrestrial or microwave links often relayed over a helicopter, a very costly exercise. When standard SNG trucks are sent on location, there is a time delay before they are ready for operation and finally transmitting on-air. News-on-the-Move eliminates both this delay and intermediate steps via a relay station, since transmission can be achieved even while driving. Although the effects of signal loss cannot be completely ruled out, if the line of sight with the satellite is interrupted, our SOTM Modem can re-establish the link for all running applications within milliseconds.



EVENT SET-UP, E.G. CYCLE RACE

The latest ND SATCOM Satellite Communication-on-the-Move (SOTM) system will save you time, money and manpower while maximizing ease of use. You can transmit video footage up to 7 Mbps from the first second while driving, and also if you have no cellular network or microwave connectivity such as in rural areas or if the network is overbooked. No dish needs to be deployed and adjusted. The satellite link will be re-established within 0.2 second of any interruption. Using a bonded cellular encoder you can further transmit via satellite and cellular network, also in parallel. This means maximum flexibility while reducing cost. Quadcopters can follow the SNG and the video can be sent live to headquarters. The van offers a fully-equipped office where you can send emails, use the Internet, transmit FTP files or other data and do VoIP calls – all in parallel as needed.

The location of your vehicle will be shown on a map. Headquarters can decide which van is closest to the scene and direct it there. If more than one SNG is in the field, all traffic can be governed within a bandwidth pool to reduce cost. Communication can occur in all directions, including between the SNGs – with a single hop. Headquarters can view online all relevant status indicators of your SNG, such as fuel level, temperature and video settings, and set warning levels. This ND SATCOM SOTM system leads a new era of broadcasting.

KEY FEATURES

- Fastest link re-acquisition time on the market
- Remote control of transmission equipment
- No skilled operator on vehicle required
- High-end fast SOTM modem
- Best voice and video quality



SATCOM ON-THE-MOVE SYSTEM



SPORTING EVENTS, E.G. CYCLE RACE

SOTM FLEET MANAGER (SFM)

Quick transponder slot booking:

Bandwidth can be booked via GUI (graphical user interface) with drag and drop

Terminal locator:

The location of each terminal shows up on an interactive map

Best overview:

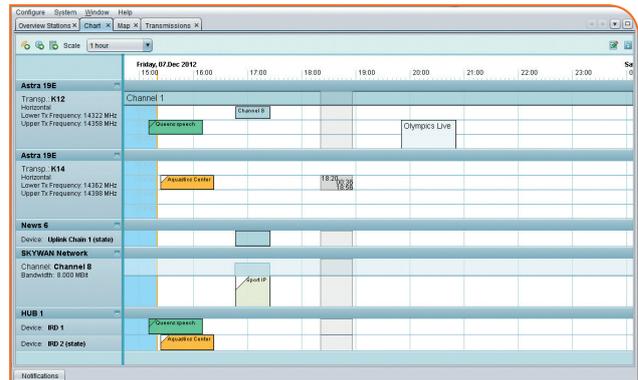
SFM shows all information about your network within one software tool

IP and DVB bookings:

You can use the same bandwidth pool for classic DVB and IP over SKYWAN carriers

Supported Equipment:

Encoders, bonding devices (4G, LTE), camera copters



SOTM FLEET MANAGER (SFM)



SFM MAP VIEW OF VEHICLE LOCATIONS

SOTM MODEM

SKYWAN 5G with its SOTM enhancements combined with a certified on-the-Move land-mobile or maritime antenna from Gilat, ThinKom, General Dynamics, Cobham, LDCD, EPAK, or others comprise a perfectly tailored News-on-the-Move package.

FACTS

- No dedicated News-on-the-Move network needed
- Private networks with SKYWAN 5G networks possible
- Doppler-shift-compensated modem technology
- Dedicated waveform with BPSK/QPSK modulation
- Up to 10 MBaud
- Best modem performance: Min Es/No=-3dB
- Fastest re-acquisition of link after interruption of Line of Sight



SOTM MODEM

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