

Transmitting at All Events

Broadcast and Media Solutions
by ND SATCOM



ND SATCOM

ND SATCOM

Installing Reliability

Broadcast Solutions Made in Germany

ND SATCOM is known for its highly reliable satellite communication equipment and solutions. Customers worldwide have trusted our German engineering to implement more than 1000 transnational networks for Broadcast, Enterprise, Government and Military applications. We are the prime contact for integrated broadcasting systems and components and are Europe's leading provider of SNG vehicles.

All our systems, components and solutions are engineered and manufactured to the highest German quality standards. ND SATCOM, with its impressive track record of SNGs and own antenna technology, covers both communication on-the-pause and satellite communication on-the-move (SOTM) solutions. Classical SNGs use our SKYRAY antenna up to 1.9m with approvals from major satellite operators. Modern vehicles using SOTM technology to transmit while driving fulfill much more demanding approval tests.

News-on-the-Move Solution

24/7 live is the modern way of keeping users up-to-date. TV channels stream content from scenes live, without processing. All around the clock. From all places in the country.

ND SATCOM integrates the SKYWAN SOTM modem with a SOTM antenna in a vehicle with all transmissions controlled by the Media Fleet Manager. The reporter in his van has its hands free to drive and focus on the event.

News-on-the-Move is ND SATCOM's solution to give users live experience. A solution affordable not only for public broadcasters.

Powerful SNG Vehicles

Breaking news sometimes puts you in the most uncomfortable situations, but with ND SATCOM's custom made SNGs you can be sure to transmit reliably at all events, whether you need instant news or more indepth productions.

Our SNGs are based on standard vehicles which are modified to suit the requirements of the contribution system and provide comfort for the user. Our broadcasting systems are engineered for perfect integration of all components, thus assuring the utmost reliability when in use. That's why they are valued and trusted by over 300 broadcasters to do the job out there in the field, every day.

Media Fleet Manager Software

With this easy-to-use management software you can plan, schedule and book DVB and IP uplink sessions via fixed and mobile stations. Broadcasters can manage their entire SNG fleet in one integrated system, from planning, over allocation of bandwidth, to actual transmission of content.

The Media Fleet Manager (MFM) software saves costs, time and resources by simplifying your production workflow and reducing the need for personal handling. With the MFM you can connect the world in less than 10 clicks, be the first at all events and never miss explosive footage.

Ka-band Plug & Play Solution

You need to get there fast, get the news fast and get it to the station even faster? Then all you need is a driver's license and ND SatCom's Ka2Go solution!

Ka2Go is a small, smart and speedy plug & play system that is fully compatible with Eutelsat's Newsspotter service for transmitting in Ka-band. The lightweight terminal is the next generation of the SKYRAY family, thus making it a very reliable contribution option, whether for permanent or ad-hoc transmissions. Ka2Go lets you go live whenever and wherever.

News-On-The-Move

When News Breaks You Will be There,
Always on



News must be delivered in real-time. Every second counts. News people concentrate on taking the shot and do not care about technical or location dependent limitations. And save money.

With the News-on-the-Move solution video or any other data are transmitted to the audience. Key for the used smart technology in the vehicles is the SKYWAN modem integrated with the SOTM antenna allowing the Media Fleet Manager (MFM) to dynamically grant transmission capacity to camera teams when and where needed.

- Transmit at any time
- Self pointing flat antenna
- Service mix of voice, video and data
- Multiple transmission path via cellular network or satellite
- SOTM Fleet Manager controlled

The 4WD XRACER speeds uphill over rocky ground towards the fire-spitting volcano. There is no time to lose. The comms on the move antenna makes it possible to transmit the eruption in real time while driving towards it. Or, away from it if the news gets too hot.

The XRACER can also be configured to have the additional options:

- Cockpit control – diagnostic of all components, setting of the system, antenna feed camera
- Switchable split screen monitoring – system set up/monitoring of video signal
- Media Fleet Manager controlled
- IP/DVB transmissions
- One button operation – self pointing and setting of all system parameters
- No antenna deployment necessary
- Dual transmission possible via satellite and mobile phone network

The XRACER

When Hot News Gets You Going



The NewsSNG

Picture it! Get the Tornado
Before it Gets You

The tornado is closing in fast. The SKYRAY antenna sub-system nearly blows off the roof but still reliably transmits footage of that tumultuous beast. Now it's very close, but getting away with the lightweight and agile NewsSNG really is a breeze!

This small but mighty SNG has a lot to offer:

- SKYRAY antenna
- Up to 400W HPA
- DVB MPEG-2 or IP MPEG-4 via TDMA
- A/V monitoring and laptop editor
- Desk and seating for 2 operators
- Independent power supply based on battery power

The ground is shaking, smoke is everywhere. You are in the middle of it all witnessing mankind taking off to discover new frontiers. “3-2-1-Lift off – we have a lift-off!” All systems GO – at least in your SNG.

With up to 6 cameras you can capture live images, witness what’s happening in the command centre or follow the astronauts getting ready for their mission. You can easily edit material in your fully equipped mobile production studio and transmit it digitally in SD or HD. Bringing your audience the comprehensive story is no rocket science with the ProductionSNG on the job.

- SKYRAY antenna up to 1.9 m diameter (diagonal)
- Up to 1 + 1 redundant 750W HPAs
- Two separate air conditioning units
- Hydraulic jacks
- A/V systems design and full integration of production facilities

The ProductionSNG

Getting the Full Story –
When You Know it Will Take Off





The Media Fleet Manager Software

Connecting the World in 10 Clicks

One on the volcano. One in tornado alley. One at the launch of a sky rocket. Three more are lining up. One software. One person. Less than ten clicks. All under control. You can breathe now...

The Media Fleet Manager Software (MFM) is the ultimate software for innovative transponder management and lets you control your entire media fleet and integrate your DVB and IP based production workflow in one reliable tool. It is so easy to use, and lets you save costs in your daily business.

Here is some of what it can do:

- Support for MPEG over IP, DVB-S, DVB-S2 (SD, HD) and Encryption (BISS)
- SKYWAN IP and DVB-S2 transmissions in parallel
- Automatic transmission route calculation
- Support for Service Provider with User Management, Access Control and Sub-Network Views
- Dynamic booking of SKYWAN MF-TDMA carriers
- Multiple transponder support
- Booking of transmissions in less than 10 clicks
- Ready for 100 stations and 50 booking clients



Sometimes news breaks in the middle of nowhere. You need to be there first and there is no time to waste on planning. Ka2Go lets you go live whenever and wherever - instantly.

The lightweight plug & play Ka2Go terminal is KA-SAT compatible and fits on vehicles of all sizes. ND SatCom offers additional value-add services to simplify your daily business. It is an ideal solution for permanent or ad-hoc transmissions in Ka-band.

Highly reliable:

- Best pointing in the market - accuracy of $\leq 0.2^\circ$ results in 3dB more transmit power
- Fast and stable transmissions – up to 10 Mbps data rate throughput
- All hardware integrated within terminal
- Aerodynamic casing for high speed travel
- SKYRAY antenna family is field-proven since more than 10 years

Easy to use:

- Automatic antenna pointing – no technician needed
- Built-in audio/video encoders available
- Plug & play Ka-band terminal lets you go live within minutes
- Small, lightweight terminal
- Optional with LTE switch-over capabilities

Ka2Go

When News Breaks You Will be There,
Ready to Transmit in Ka-band



SKYWAN 5G

ONE Solution for Every Business



Star



Full Mesh



Multi-Star



Hybrid

DVB S2X



The ONE is here. SKYWAN 5G is the perfect platform for Media Networks. It is designed as an all-in-one device having all features on board. SKYWAN 5G is a highly reliable, fast and cost efficient satellite communication platform which enables high throughput for video streaming from narrowband up to 20 Mbit/s broadband user data rate.

Current and future requirements in Media Networks are fulfilled by SKYWAN 5G. It can be seen as a high performance “router-in-the-sky” which connects directly journalists, SNGs and studios in single hop via satellite. Stay connected from anywhere to everywhere and back again real-time with the single hop. Fully automatic bandwidth management, high throughput and transmission efficiency as well as independence from terrestrial networks and infrastructure are key advantages for our media customers. Get ONE step ahead with the next generation satellite communication networks – SKYWAN 5G.

SKYWAN 5G - The ONE stands for:

- Get all-in-one - the reliable ONE solution
- Gain flexible topology - star to mesh networks
- Gain space & portability - smallest unit available
- Gain powerful performance - with easy interface
- Generate savings - lower cost of ownership

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