



ND SATCOM

Satellite News Gathering ProductionSNG

The ND SatCom ProductionSNG is primarily designed as a fast, flexible and reliable vehicle for live broadcast production and digital TV transmissions in HD. As a secondary option, this vehicle has the ability to be used as a temporary production studio and for up-linking external medium-term events.

These vehicles represent the ultimate solution for customers requiring the highest flexibility in their mobile production application such as Multi-Camera Live-Productions in the field of sports or similar. In addition, the AV Production Environment is custom-tailored and integrated in-house allowing it to match the customers' individual workflow and deliver a fully ready-to-work turnkey solution.

The antenna and the automatic pointing system have a EUTELSAT characterisation with the ability to transmit in Ka- or Ku-band. The transmission and antenna systems are approved by CETECOM, which is essential for obtaining a transmitting license in Germany and also very useful for other countries.

The design and build for the ProductionSNG is based on research carried out on various spacious vehicle platforms such as Mercedes Vario, Mercedes Sprinter, Iveco Daily and VW Crafter.

KEY FEATURES

- Spacious interior for outside broadcasting and TV production
- SKYRAY Antenna System with EUTELSAT characterised Automatic Pointing Option
- 5W – to 750W HPA
- 1+0 or 1+1 redundant configuration and multiple carrier transmission
- IP or DVB MPEG-4 SD and HD coding
- Individually engineered and in-house integrated AV Production Environment
- Fully remote controllable via TDMA IP satellite interface

TECHNICAL SPECIFICATIONS

VEHICLES		
Mercedes Vario	Up to 7.49t	(payload max. 3.895kg)
Iveco Daily	Up to 7.0t	(payload max. 4.140kg)
Mercedes Sprinter	Up 5.0t	(payload max. 2.710kg)
VW Crafter	Up to 5.0t	(payload max. 2.735kg)

VEHICLE MODIFICATION
 Independent super silent power generator, 2 or 4 hydraulic jacks, air conditioned 19" equipment racks, separate air condition for Operator's room, desk with integrated mixers and CCU's, non-slip floor covering, heating floor.

TRANSMIT SYSTEMS			
Antenna Subsystems			
SKYRAY MAS 1900	1.9m Dish	1+1	Up to 750W HPA

Antenna Systems available with dual Ka-/Ku-band feed switch system.

BASEBAND EQUIPMENT	
DVB System	SD/HD, MPEG-2/MPEG-4, 4:2:0/4:2:2, DVB-S2/TDMA
A/V Monitoring Equipment	e.g. LCD & multi-viewer environment, waveform, vector scope, volume control
Small Production Equipment	e.g. multiple camera chains, video mixing, audio mixing, DVR, non-linear-editing suite
Communication	Intercom, wireless communication, GSM/UMTS/LTE, VoIP communication

MONITORING & CONTROL
 Station operation via user-friendly MMI at local PC or from central station via IP satellite router. EUTELSAT characterised Automatic Pointing System.

IP SATELLITE ROUTER
 SKYWAN TDMA Modem for IP connection to MCR for video streaming, file transfer, remote control of uplink system, Intranet/Internet access, voice connection and cloud applications.

MEDIA FLEET MANAGER
 The ND SatCom Media Fleet Manager is an easy-to-use management tool to plan, to schedule and to book DVB and IP uplink sessions. Remote stations can operate automatically.



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