

Hiltron Premium Line D-SNG Platform

Comprehensive Satellite Communication System



The Hiltron DSNG platform integrates the complete SatCom equipment including third party equipment (e.g. Encoder Modulators and IRD's) in a unified database control system.
The System provides Reliability, flexibility as well as a quick, intuitive and fail safe control system.



Features

Antenna

- ▶ Robust and reliable cable drive mounts (maintenance free).
- ▶ Rotary Joints for all axis.
- ▶ +/- 200° Azimuth range.
- ▶ Hiltron designed waveguide system.
- ▶ 230V/12V dual power supply for antenna drive.

HSACU

- ▶ 3-axis Hiltron SNG antenna controller.
- ▶ GPS locked-Auto Acquisition.
- ▶ Integrated DVB-S/S2 receiver - SAT ID via NIT tables.
- ▶ Dual axis compensation of vehicle tilt and inclination.
- ▶ Front Panel control and Web Interface.

HMCS

- ▶ Hiltron M&C System.
- ▶ Central monitoring, control and configuration for all related equipment (Encoder, Modulator, Upconverter, HPA, ACU, IRD, Spectrum Analyzer).
- ▶ Plausibility check for all settings.
- ▶ Full remote control via IP.

Options

- ▶ Three different Antenna sizes (1.45m / 1.8m / 2.4m).
- ▶ 2, 3 or 4-port feed system.
- ▶ Spectrum Analyzer (1HU) fully integrated in M&C system.

- ▶ Three HPA configurations
 - Single Thread
 - 1:1 Redundancy
 - Phase Combined
- ▶ SSPA up to 250W

- ▶ TWTA up to 750W
- ▶ Customization to Your special requirements.

The three most important qualities of any SNG are:

- Highest Reliability – where any SNG or OB truck is an extreme challenging environment for your equipment.
- Fast, Easy and Carefree Operation – while the job is always time critical, operators have better things to do than looking for satellites or configuring transmit or receive equipment.
- Minimal Maintenance Costs – while live broadcast doesn't wait, our SNG platform combines maximum service intervals, a service friendly design to provide minimal down-time and Hiltron as a partner renowned for flexibility and short response times.

The Hiltron DSNG platform is designed to seamlessly integrate the most robust and reliable equipment with the highest possible degree of redundancy for each configuration.

We only use antenna systems with robust and maintenance free cable drive systems and rotary joints for all three axis. Three Hiltron manufactured core systems provide fully integrated monitoring and operation of all satellite related equipment on board. The HCS controller* connects and controls Encoders, Upconverters, HPA's, IRD's and all alarm status and redundancy management.

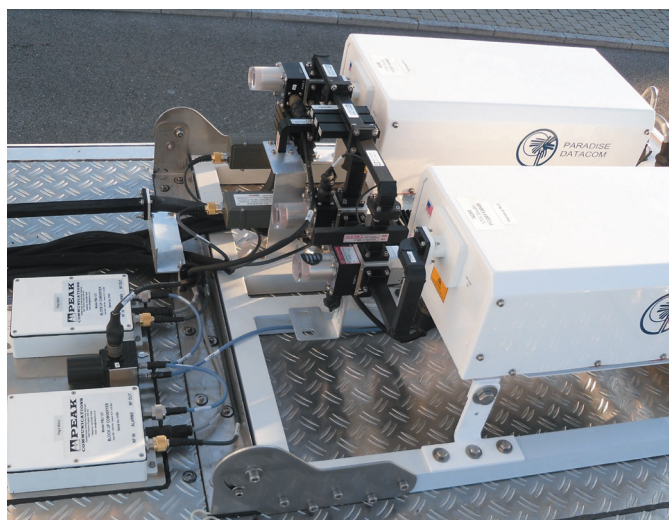
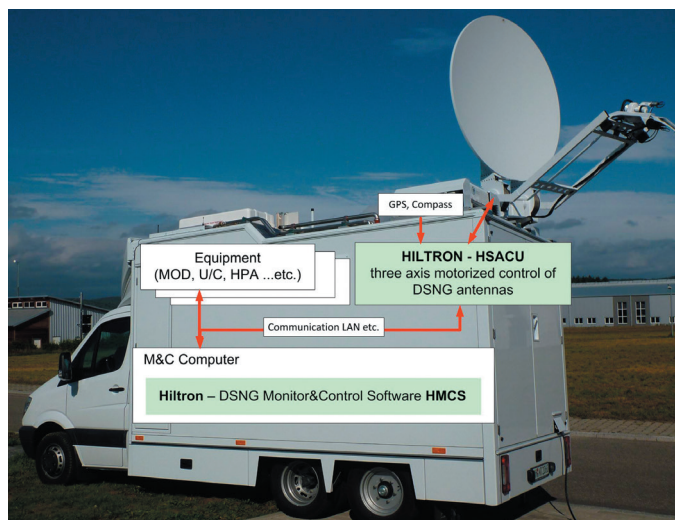
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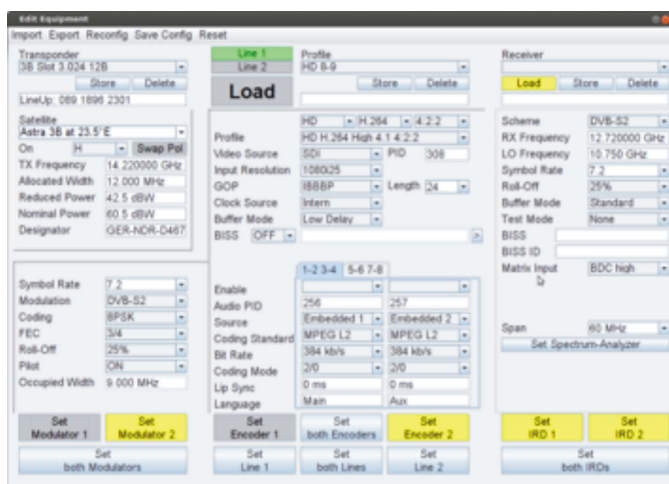
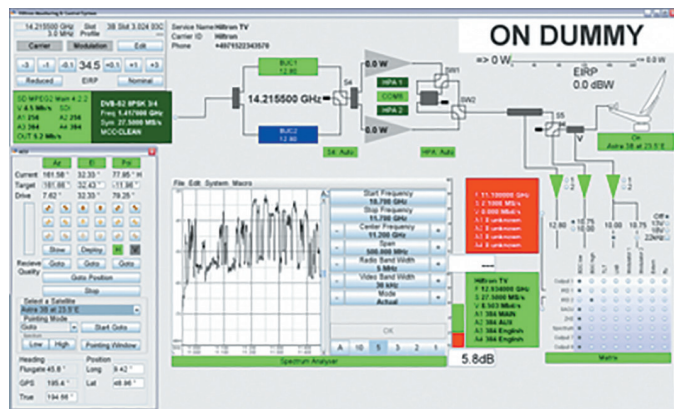


The Hiltron HSACU antenna controller* sets a new standard, acquiring any accessible satellite in less than 3 minutes, including fine pointing all three axis. It provides three speed step simultaneous movement of all axis. Together with the Hiltron monitor and control system HMCS* the complete configuration of your Tx and Rx chain as well as the preconfigured lineup procedure is only a few clicks away.

*See dedicated datasheets for more details.



HMCS



SACU

