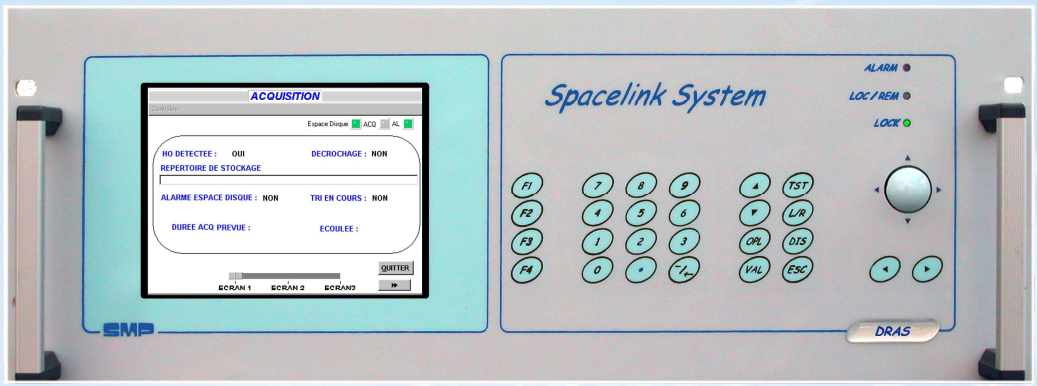
SYSTEMES MIDI-PYRENEES

SPACELINK SYSTEM

MODEL : DRAS



The **H**igh **D**ata **R**ate **A**cquisition and **S**torage System is based on our standard SPACELINK System with a powerful slot board computer, able to host high capacity disk storage and modular PCI slot board functions.

The system receives demodulated bit-synchronized data (data & clock) on an acquisition card. The data is frame-synchronized according to configurable frame parameters (size of the frame, synchronization word, etc.). The acquisition card can handle up to 400 Mbps input data rate, and perform basic frame processing (stripping of frames or data blocks, etc.).

The frame data is stored on hard disks, where the computer may perform further data processing. Storage capacity is higher than 144 GB. Output data files are then made available for FTP retrieval to external users via a network connection. Due to high bit rate, data is transmitted through one Gigabit Interface.

The system can integrate additional functions based on PCI slot boards, such as 8-PSK demodulation and modulation, BER testing, with monitoring and command software modules. It runs on a Windows platform extended with real-time operating system features. An optional Graphic User Interface is used for local operations. The system can be fully operated remotely from a station supervision computer for automatic operations and maintenance via an Ethernet interface.

FEATURES

- Data acquisition up to 400 Mbps : several channels available in the same rack
- Disk storage from 144 GBytes
- Real time frame processing and data formatting
- FTP access to stored data
- Gigabit Interface to transmit data in real time or after recording.
- Local and remote mode available

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