

DATAREC

MAG 150 : Reading/analyse HEIM DATAREC data

MAG 150 system is based on the software MAGALI. It monitors the DATAREC recorder and direct data reading via SCSI bus or Ethernet. With a major advantage : just one simple compatible AIT or DLT reader drive is required. D20, D200 recorders or others are not necessary, and keep other recordings. The system also reads and extracts data from memory card or files already stored onto disk.

Main features

- Complete solution
- Flexible
- Upgradable
- SCSI/Ethernet monitoring
- Data reading
- Analysis
- MAGALI integrated

Sources

- PCM (telemetry)
- MIL-STD-1553
- ARINC 429
- Serial bus
- Ethernet
- Analog
- Voice
- Video

Telemetry format

- IRIG 106
- CE83
- CCSDS
- DANIEL 90 and 2000
- Specific



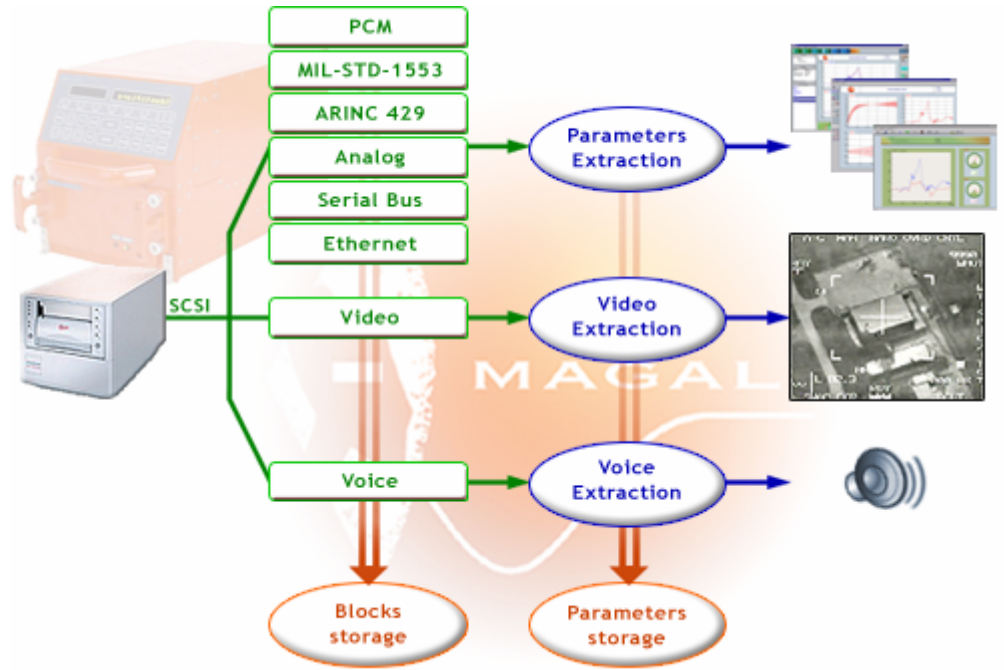
Key points of the MAG 150 DATAREC solution

- DATAREC recorder stores on digital tape data issued form streams such as : analog channels, PCM, ARINC 429, 1553, serial bus, Ethernet, video or voice
- From a PC and a tape drive, MAG 150 system achieves the following functions
- Control the recorder or reader
- Data stream acquisition and storage onto disk
- Data stream extraction
- PCM decommutation according to format IRIG, DANIEL, CE83, CCSDS, ...
- Real time visualization, on customized graphic displays
- Real time processing, calculation, alarms, ...
- With a browser, analysis of the recorded raw frames according to format
- Post processing visualization, graphic analysis, test report
- Post processing analysis, mathematics, frequential, statistic analysis
- Test organisation with **MAGALI** test manager
- Test configuration via tree structure input masks.

DATA REC

MAG 150 : Read/Analyse
HEIM DATA REC data

Description



- Solution is built from a from a desktop or industrial computer and **MAGALI** software
- **MAGALI** real time and post processing technology allows blocks reading and storage, then data extraction, synchronization, display and analyse
- **MAGALI** includes adapted graphic objects as well as many processing functions.

Workstation

- PC : Laptop, Central unit, ...
- UNIX Station

Operating system

- Windows NT, 2000, XP
- LINUX
- UNIX

Related services

- On site installation
- Validation
- Training
- Maintenance
- Specific add-ons

MAG 150

<ul style="list-style-type: none"> • Desktop, portable or industrial computer or workstation with SCSI interface and video card (If video is used). 	MAG_150/xx_CPU
<ul style="list-style-type: none"> • MAGALI software for real time and post processing. • DATA REC module to control the recorder or reader. • Additional decommutation module(s) according to requirements : 	MAG_150/COM
<ul style="list-style-type: none"> <input type="checkbox"/> Analog channel extraction module. <input type="checkbox"/> Voice extraction and replay module. <input type="checkbox"/> IRIG decommutation module. <input type="checkbox"/> 1553 decommutation module. <input type="checkbox"/> ARINC 429 decommutation module. <input type="checkbox"/> Serial streams extraction module. <input type="checkbox"/> Ethernet message extraction module. <input type="checkbox"/> Video extraction and replay module 	MAG_150/ANA MAG_150/VOICE MAG_150/IRIG MAG_150/1553 MAG_150/ARINC429 MAG_150/RS MAG_150/NET MAG_150/VIDEO
<ul style="list-style-type: none"> • It is possible, on option, to integrate other decommutation modules : CE83, DANIEL, CCSDS, ... 	
<ul style="list-style-type: none"> • Complete software with all decommutation modules (except video and options). 	MAG_150/PACK

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Format	Recorder	Media	Communication
D3 format	D200 / D120 / D20 / D12 GSR200 / GSR120 / GSR20 D5400 / D5300 / D5200 / D5100	AIT DLT Disk	SCSI Ethernet
D2 format	D4	DAT	SCSI