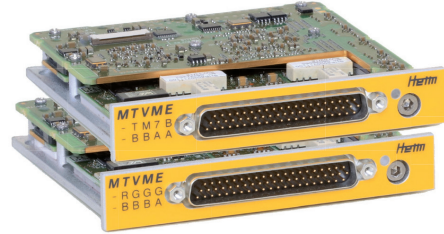


# TELEMETRY MODULES

**Versatile Interface Modules  
for MDR, GMDR and MDR-GT**



FLIGHT TEST INSTRUMENTATION

**Heim**

The **highly flexible modular MDR, GMDR and MDR-GT systems are versatile, field-proven and future-proof solutions for acquisition, recording, dissemination and replay** of airborne and ground station FTI data. Thanks to their wide range of modules, the systems will adapt **from the lightest to the most extensive daily test requirements.**

Telemetry is our core know-how. Safran Data Systems is one of the inventors of the sophisticated IRIG 106 Chapter 7 telemetry standard. MDR and GMDR are a highly effective combo in providing an on-board and on-ground telemetry solution, which is reliable and easy to configure. Thanks to a special hybrid technology we are able to offer you **telemetry receive and transmit modules enhanced with digital buses, e.g. PCM, Discrete, Ethernet, ARINC 429 or MIL-STD-1553.** These onboard modules are capable of **encoding any data** (analog, digital, video...) **acquired by an MDR into a telemetry PCM stream ready for transmission.** On-ground, the **data will be decoded by the GMDR telemetry receive modules** for further use like recording, UDP streaming to a computer or immediate replay, e.g. video or analog.



Flight Test Applications



Ground Station / Control Room

## EASY-TO-CONFIGURE CHAPTER 7 TELEMETRY WITH SOFTWARE

No manual definition of frames and words required

## TELEMETRY AND DATA ACQUISITION MODULES IN ONE

E.g. Telemetry, Voice, PCM and Ethernet in one module

## DECODING OF NATIVE CHAPTER 10 DATA ON-GROUND

Extraction of Ch10 and Telemetry PCM stream directly by ground station modules

## IRIG106 COMPATIBLE

One Chapter 10 data stream per channel

# FLIGHT TEST INSTRUMENTATION TELEMETRY MODULES

## > MODULES

### MC10T / MC10TA

- 2 Telemetry Transmit data channels (1 for downlink, 1 for recording) on 1 Physical output
- 2 PCM data channels on 1 Physical input
- 1 PCM E to E Loopback,
- 4 Voice input/output data channels
- 2 Ethernet data channels on 2 Physical inputs/outputs

### MCVSE-7MBB-ABBA

- 1 Telemetry Transmit data channel on 1 Physical output
- 4 Voice data channels on 4 Physical inputs (and 4 Voice Loopback outputs)
- 6 Serial inputs
- 2 Ethernet Data channels on 1 Physical input

### MTMEE-T7BB-BBAA

- 3 Telemetry Transmit data channels
- 3 PCM data channels
- 4 Ethernet data channels on 2 Physical inputs

### MTVEE-TMBB-BBAA

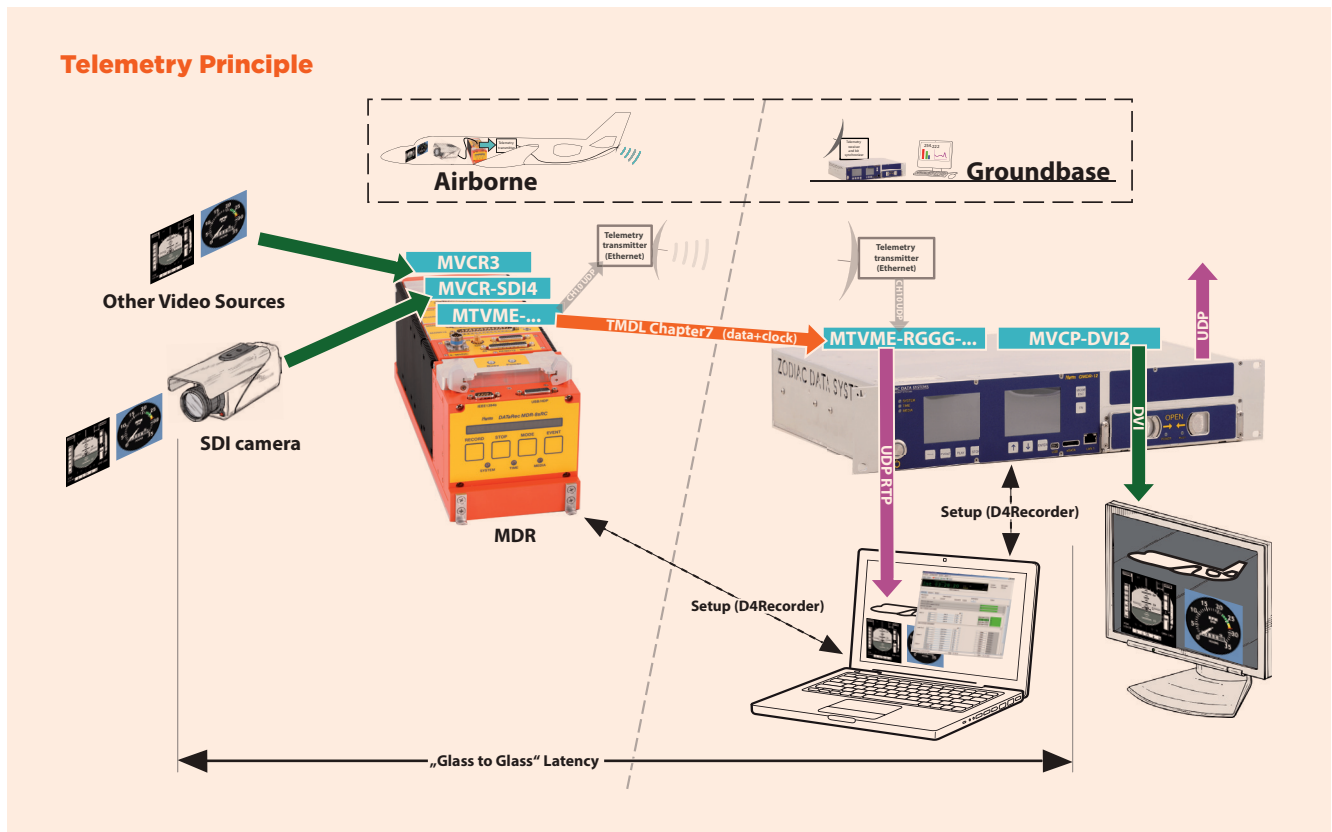
- 3 Telemetry Transmit data channels
- 4 Voice input/output
- 4 Ethernet data channels on 2 Physical inputs

### MTVME-SM7B-BBAA

- 3 Low Latency Ch4/Ch7 Telemetry Transmit data channels
- 4 Voice input/output
- 6 PCM data channels on 3 Physical inputs
- 4 Ethernet data channels on 2 Physical inputs

### MTVME-RGGG-...

- 3 Telemetry Receive/3 PCM inputs (selectable)
- 4 Voice gateway outputs
- 3 PCM gateway outputs
- 1 Ethernet input/output



### GLOBAL SALES

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