The **highly flexible** modular GMDR system is a versatile and future-proof solution for acquisition, recording, dissemination and replay of FTI data in ground station applications. With its high integration, **incomparable range of supported video interfaces** and full compatibility with global leading MDR products, the GMDR integrates seamlessly into customers' existing test center topologies.

With its **intelligent data reduction** through segmentation, pre-selection and filtering as well as the capability to **freely disseminate subsets of data** among several network destinations, GMDR efficiently reduces the operator’s workload when analyzing test results.

For standard PCM/Ch7-Telemetry applications, **two simplified, cost-efficient variants** with **integrated PCM/Ch7-Telemetry signal boards** and one Data Express technology (DE50)-compatible storage media slot are available.
TECHNICAL SPECIFICATIONS

Bit rate: 800 Mbit/s
Ethernet: UDP broadcast, PTP (Precision Time Protocol; time code sync. IEEE 1588-2002/IEEE 1588-2008), FTP server download function, remote control
Time coding: IRIG A, B, G, 1 pps / 10 pps, GPS time code, PTP (Precision Time Protocol; IEEE 1588-2002 (slave) / IEEE 1588-2008 (slave))
Built-in GPS receiver
Real time clock (RTC)
Storage capabilities: CF-cards, SSD, HDD (Capacity up to 3.6 TB)

SPECIAL FEATURES

- Multi-file recording
- Multi-destination recording
- Access and streaming of pre-recorded data while recording
- Available bandwidth for streaming
- Support of native formats (MPEG, PCAP, …)
- Live setup modification via Ethernet connection and comfortable configuration software
- Seamless and cost-effective integration into telemetry chain thanks to IRIG 106-17 Chapter 7, with mix of newest Chapter 10 and legacy Chapter 4 techniques
- Cost-efficient variants GMDR-2 M4M / GMDR-2 TM with built-in signal boards for PCM/Ch7-Telemetry applications and 1 DE50-compatible storage media slot

AVAILABLE IN 6 MAINFRAME VARIANTS

- **GMDR-12** 12 module slots, 1 storage module slot
- **GMDR-12 DDS** 12 module slots, 2 storage media slots (DE50 compatible)
- **GMDR-12 MDS** 12 module slots, 1 storage module slot and 1 storage media slot (DE50 compatible)

APPLICATION EXAMPLE (TELEMETRY DOWNLINK)

Master System
Mass Data Acquisition Unit

Slave System
Remote Acquisition Unit

Telemetry transmitter
Telemetry receiver and bit synchronizer
IRIG 106 Chapter 7 (analog, PCM, Video)
Set-up and monitoring

GLOBAL SALES
5, Avenue des Andes - CS 90101 - 91978 Courtaboeuf Cedex - FRANCE - Tel.: +33 1 69 82 78 00 - Email: sales.zds@zodiacaerospace.com

USA
3005 Business Park Dr - Norcross, GA 30071 - USA - Tel.: +1 770 753 4017 - Email: sales.zds@zdsus.com