

### Highlights

- Over 1.2Gbytes per second sustained record rate
- Up to 12TB of RMM storage capacity
- Simultaneous publishing up to 4Gbps from recording channels to 4 Ethernet switch ports
- Encoded PCM output for CH10 UDP telemetering transmission
- Optical XCVR's main & AUX power capability

### Overview

The Modular Instrumentation Traffic Analysis Point (TAP) Recorder (MITR) is a high-bandwidth, high-capacity IRIG 106 Chapter 10 data recorder/publisher with a TAP Interface Module (TIM) & multiple Tera-Bytes of high-speed removable storage. MITR is suitable for a wide range of data recording requirements in harsh & demanding environments.

Configurable TIM's provide protocol independent full duplex optical transceivers. Applications include GigE, Fibre Channel, InfiniBand, or any specific communication application. Input channels are recorded/published & mirrored outputs provide full active TAP capabilities.

MITR also contains a Layer 2/3 Managed Carrier Ethernet Switch with (4) external interfaces, a GPS receiver & IRIG Time Code Generator. The hardware based IEEE-1588v2 time engine provides multiple Grand Master, Master, Slave & Transparent clock capabilities.

The (4) external Ethernet interfaces can be used for IRIG 106 Chapter 10 data publishing, RMM download or as a fully capable Layer 2/3 Managed Switch. Switch ports can also be recorded or be used as a NAS/file server interface to one or more of the RMM drives.



**Specifications @**  
[telspandata.com/MITR](http://telspandata.com/MITR)

#### TAP Interface Modules

- Optical Fibre Channel - 4/8/12 Ch's
- Optical Fibre Channel - 4/8/12 Ch's
- Optical Fibre Ch & Ethernet - 4/8/12 Ch's
- Others Protocols Available Upon Request

#### Main Chassis I/O

- 4 Gigabit Ethernet Interfaces
- IRIG-A/B/G DC & AM, 1PPS & GPS Video Input
  - MIL-STD-1553 & PCM
  - RS-232 & RS-422 Serial COM
- Discrete Inputs/Outputs IAW IRIG 106 Chapter 10

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