

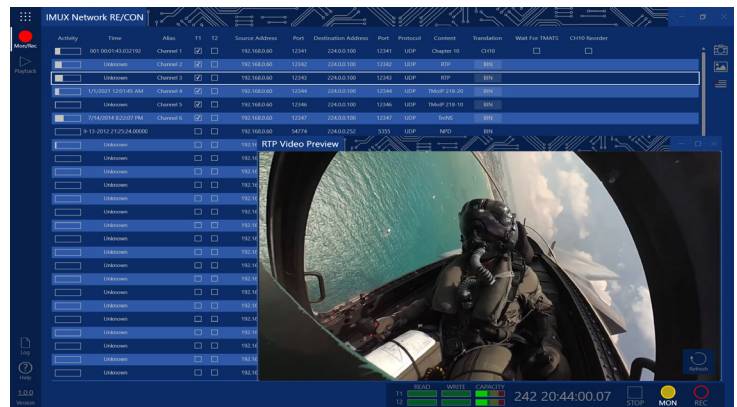


## IMUX RE/CON TELEMETRY NETWORK RECORDER

*Record, Convert, and Playback Streaming Telemetry over Internet Protocol*

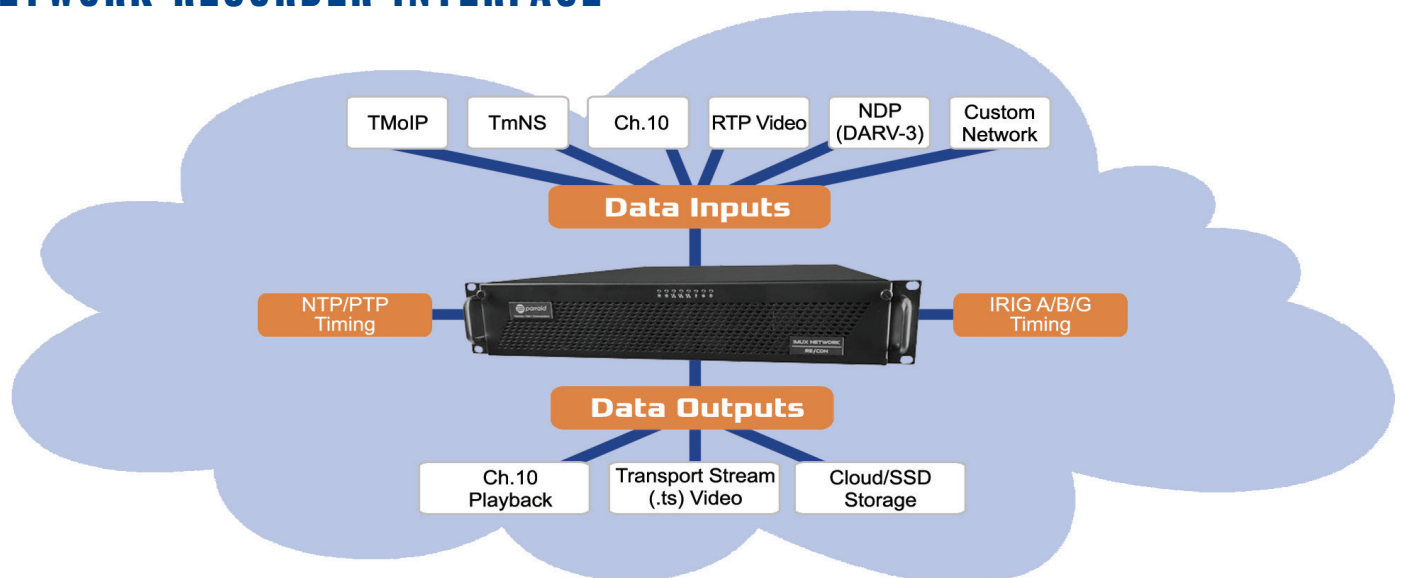
Parraid's IMUX RE/CON Telemetry Network Recorder leverages over 30 years of telemetry recording and processing experience and provides network recording capability with key features tailored to the needs of the airborne telemetry market.

IMUX RE/CON is designed to not only record streaming network telemetry, but also simultaneously provide on-the-fly conversion and recording to standard telemetry standard data formats for use with existing telemetry infrastructure. The intuitive software interface is designed specifically for telemetry users and offers features such as automatic telemetry format detection, snapshot viewer, video stream viewer, and channel naming to allow telemetry users to quickly identify channels of interest and configure the recorder accordingly. IMUX RE/CON is available with a variety of chassis and performance configurations to suit any application.



RTP Video Preview during Monitor Mode

## NETWORK RECORDER INTERFACE



## KEY FEATURES

IMUX RE/CON Network Recorder software combines IP recording capabilities with telemetry specific on-the-fly conversion capability making it the most versatile, and cost-effective network recorder in the telemetry market. No matter how your streamed telemetry is formatted (IRIG 218, TmNS, Ch10, NDP, RTP, or custom), IMUX RE/CON is designed to record it all. IMUX RE/CON provides automatic format detection for known telemetry formats, binary file recording, playback to any network endpoint, and conversion to IRIG 106 Chapter 10 files on-the-fly for supported telemetry formats. IMUX RE/CON users can immediately offload and utilize the recorded IRIG 106 Chapter 10 files with their existing Chapter 10 equipment and infrastructure designed for signal reproduction, playback, and data processing. IMUX RE/CON users can also playback from existing IRIG 106 Chapter 10 compliant files onto the network to user defined endpoints.

## TELEMETRY SPECIFIC NETWORK RECORDING, CONVERSION, AND PLAYBACK

- ▶ Direct recording of network traffic to indexed binary files or convert incoming data of supported network telemetry formats to IRIG 106 Chapter 10 files on-the-fly for immediate use with existing IRIG 106 Chapter 10 infrastructure.
- ▶ Directly record RTP video streams to transport stream video files.
- ▶ Supports integrated NTP / PTP network timestamping or optional IRIG A/B/G timestamping. Optional integrated IRIG 1588 PTP Grandmaster clock available.
- ▶ Playback recorded payloads and/or Chapter 10 file channels to any network endpoint via UDP (Unicast, Broadcast, or Multicast).
- ▶ Single or multiple file simultaneous playback.

## EASY TO USE

- ▶ Intuitive UI greatly simplifies setup, configuration, and operation.
- ▶ Automatically identifies and prioritizes known telemetry formats on the network.
- ▶ User defined channel aliases allow operators to quickly identify known channels.
- ▶ Configuration via UI or Spreadsheet.
- ▶ Built in support for IGMP multi-cast joins and leaves.
- ▶ Snapshot viewer for real-time telemetry data inspection and analysis with presentation according to incoming telemetry format.
- ▶ Operator and Administrator GUI modes.

## PERFORMANCE & CAPACITY

- ▶ Standard 1Gbps and 10Gbps SFP+ network interfaces.
- ▶ Standard Hardware RAID controller.
- ▶ Standard removable SSD drives.
- ▶ Record (sustained) write performance options to 4GB/s (32 Gbps).
- ▶ Storage Capacities to 64TB.
- ▶ FIPS Compliant Self Encrypting Drives available.
- ▶ Standard dual redundant power supplies.
- ▶ Integrated TPM 2.0 module standard.



DESIGN | BUILD | SUPPORT

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