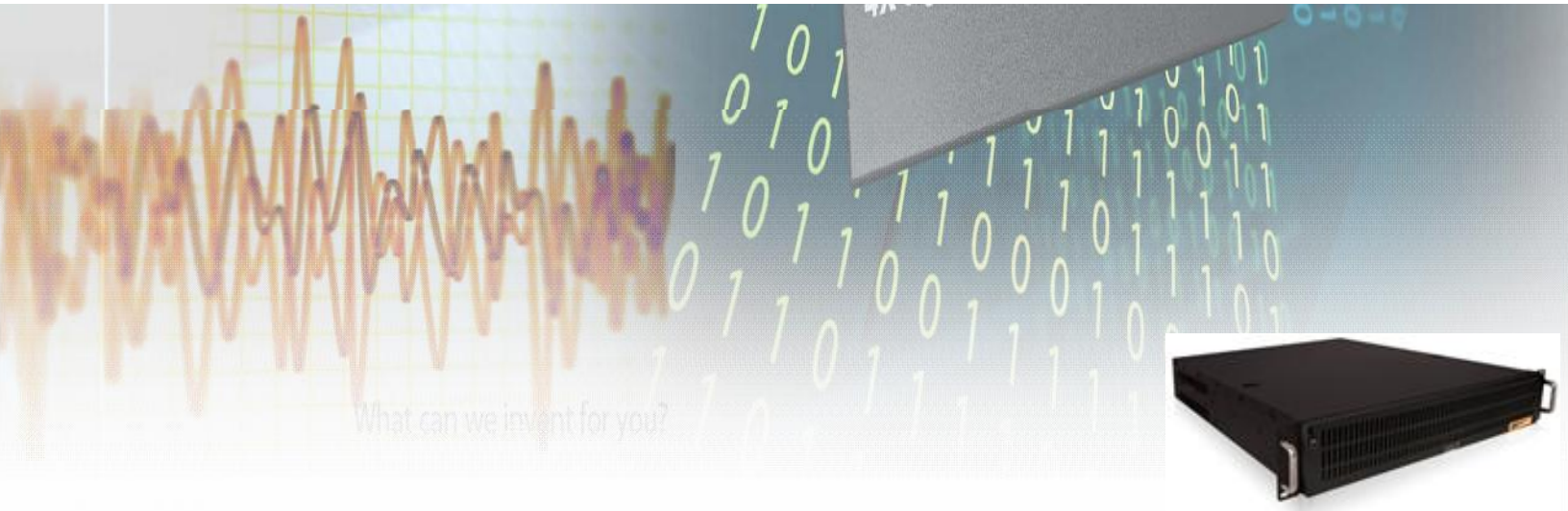


# RF, IF, Baseband and Digital Record and Replay solutions



Unistring Tech Solutions has different record and replay solutions covering baseband, IF and RF frequency ranges. Complete digital stream input based recording solution is also available for raw digital data recording. Post mission analysis is supported for both offline file based analysis and real time playback options with different signal conditioning options. In addition API library supplied along with SDK enables integration of Record and replay functions through third party GUI.

## Applications

- ✦ Ground Telemetry
- ✦ COMINT offline analysis
- ✦ Data link monitoring
- ✦ Dehopping and analysis of FHSS signals
- ✦ Satellite monitoring stations
- ✦ Whether data recording

## Other Related Products

- Wideband & Narrowband DDC
- Telemetry RF, IF, baseband processing
- PCM encoders and decoders
- Telemetry Signal Simulator

Contact us for more details.

## Key Features

- ❖ RF ranges covering L, S and C bands.
- ❖ All standard telemetry and datalink frequency ranges are supported to C band
- ❖ IF models available at 21 MHz, 70 MHz and 140 MHz
- ❖ Baseband support upto 25 MHz.
- ❖ Bandwidth configurable in steps of 1 MHz, upto 25 MHz (other high bandwidths can be supported based on user requirement)
- ❖ Recording and replay Dynamic range 80 dB
- ❖ Configurable Full scale input from -40 dBm to 0 dBm
- ❖ Solid State Disk (SSD) technology based memory
- ❖ Storage type RAID 0 and RAID 1
- ❖ Storage Capacity 0.5 TB, 1 TB, 2 TB, 8 TB
- ❖ Recording duration maximum upto 10 hours
- ❖ Trigger by manual, time value, amplitude threshold or data based
- ❖ Support of signal processing functions including online filtering and real time data statistics
- ❖ Support of External IRIG time interface
- ❖ Time stamp with Internal/External clock
- ❖ Internal stage GPS based time stamp.
- ❖ GUI with time and spectral data views
- ❖ 19" Rack mount 2U, 3U sizes based on required storage capacity.