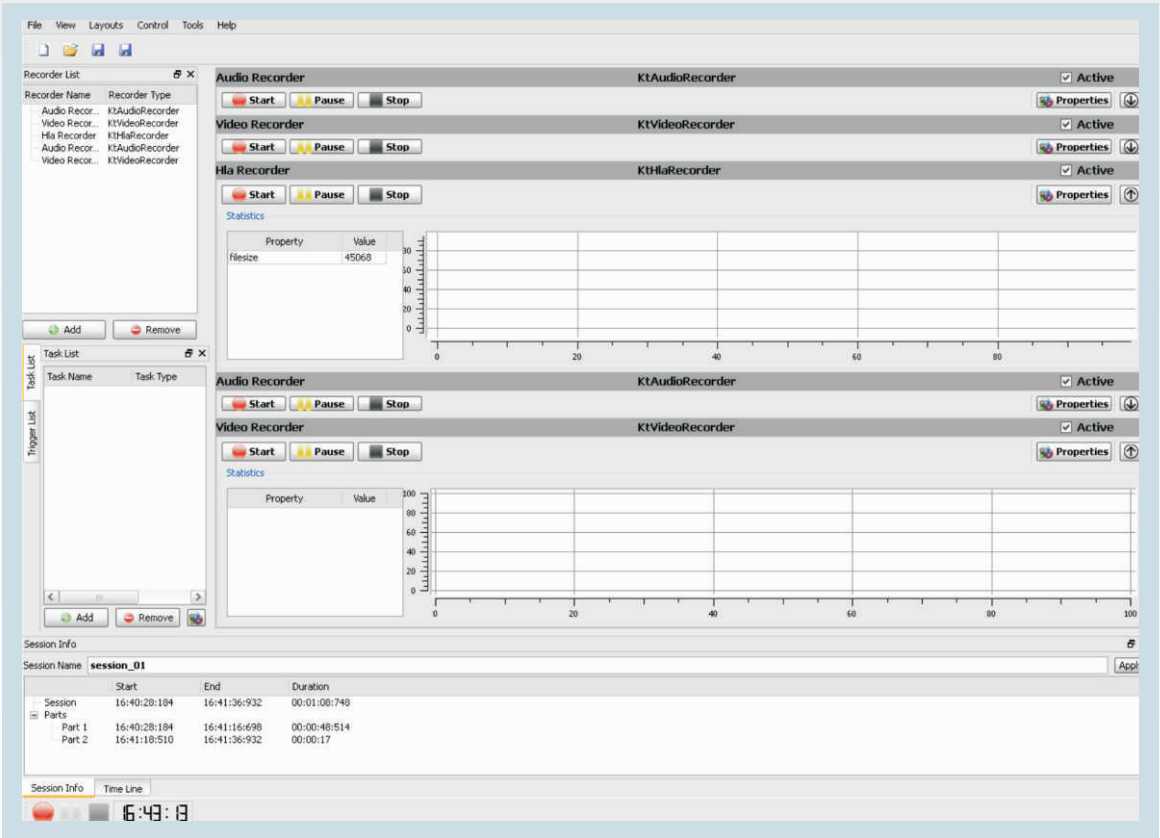
KaTron®

DAQ*tron*™ - Simulation Data Acquisition and Recording

KaTron's DAQ*tron*™ is a next-generation Simulation Data Acquisition and Recording Database software that provides a complete modular solution for all kinds of simulator applications. DAQ*tron*™ acquires and records HLA, DIS and ARINC Communications, and video and audio channels during a simulator exercise or a simulation run.

DAQ*tron*™ Features

- Controlled through IOS or GUI
- Can record any number of any kind of data
- All recorders can be deployed on any machine on the network
- Configurable to automatically record any HLA federation or DIS exercise when created
- Any kind of data can be recorded by creating a recorder plugin
- HLA Recorder:
  - Fully HLA compatible, supports all of the core RTI services
  - Can connect to any 1.3 or 1516 federation
  - Natively works with standard FOM's and maps to any FOM with minimal effort through FOM-Mapping
  - Allows WAN exercises and distant federates to join (Satellite links can be used)
  - Filters interactions and objects while recording
  - Supports stop-and-go recording on the same record
  - Requires MAK RTI and MAK Data Logger



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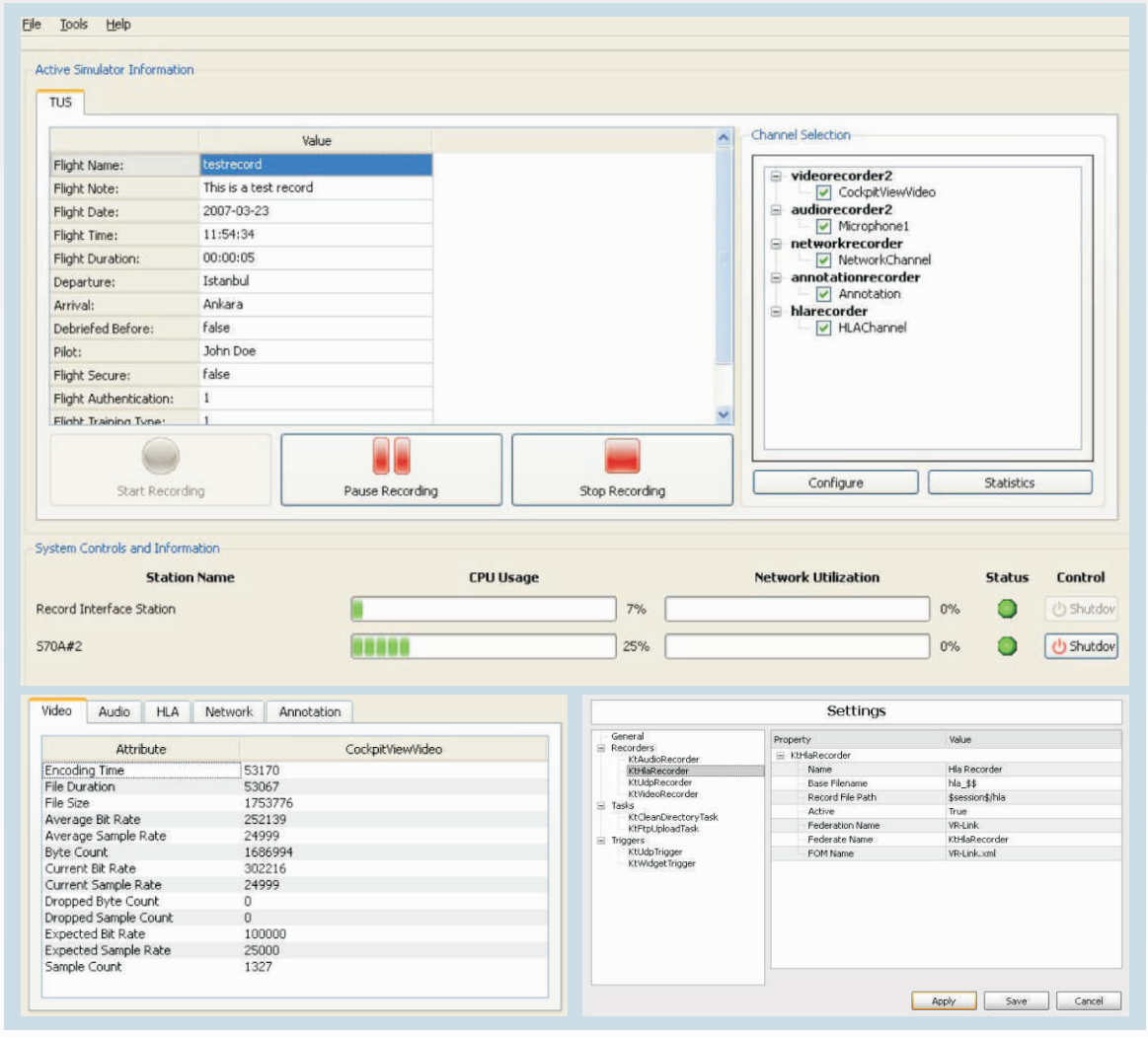
- DIS Recorder
  - Fully HLA compatible, supports all of the core RTI services
  - Allows WAN exercises and distant components to join (Satellite links can be used)
  - Filters PDU's while recording
  - Supports stop-and-go recording on the same record
- ARINC Recorder
  - Captures ARINC 424 messaging spread from simulators and agents
  - Will support ARINC 661 communication in the future
  - Supports stop-and-go recording
- Video & Audio Recorder
  - Captures and encodes multi-audio channels on the fly in any bit-rate and quality
  - Captures multi-video channels on the fly in 30 fps D1 resolution
  - Encodes all captured video channels to Mpeg4 or WMV compressed formats
  - Supports stop-and-go recording
- TCP/IP & UDP Recorder
  - Records arbitrary TCP/IP or UDP communication
  - Selection and conversion of arbitrary data to DAQ*tron*™ format through use of Graph Editor
  - Can write captured data to binary compressed or ASCII format



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