

### Distributed Ground Station System Software



#### Applications

- Data playback, analysis, and data mining
- Data verification and validation
- Complete system debriefing

#### Features

- Compatible with the following TTC hardware:
  - DBS-120
  - RBDS-120
  - MnDAU-2000
- Distributed, highly scalable system
- Supports playback of IRIG-106
  - Chapter 4 (PCM)
  - Chapter 8 (1553)
  - Chapter 10
  - Network data
- Display PCM data in real time or from archived files
- Comprehensive view management system
- Display parameters on logical pages using:
  - Strip charts
  - Dials
  - Bar graphs
  - Data lists
  - PCM grids
- Playback H.261 and MPEG-2 video
- Automatic recording of all live data
- Perform EU conversions using polynomials, derived calculations, and external user-created functions

#### Description

TTC's Ground Station System is a multiplatform, distributed data playback and analysis application. TTC's GSS supports a client server architecture, which allows multiple users to simultaneously stream data from a server. The GSS server can acquire live data from TTC's RBDS-120 and DBS-120 products and from ethernet sources. All incoming live data is automatically recorded for play back at a later time. The GSS client provides a comprehensive view management system for creating display widgets and organizing them on logical pages. The following displays can be created: strip chart, dial gauge, bar gauge, video, data list, and PCM data grid. Engineering unit conversions can be defined and applied to all measurements in the data stream. These engineering unit conversions include polynomials, concatenations, derived calculations, and external functions. As a playback session unfolds, the system gathers statistical information about events within the data, which can later be data mined.

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#### TTCGSS Datasheet

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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