

## Solid State Airborne Recorder with Removable Memory Cartridges



### Applications

- Airborne PCM Recording
- Replacement of Aging Tape Based Data Recorders

### Features

- Solid State PCM/Recorder
- Ruggedized for Airborne Applications
- Records PCM, IRIG Time
- Optional 4 channel Video Recording
- Uses MMM-1XX Memory Cartridges
  - 6, 9, 15 or 30 GB Capacities
  - Removable Data Transfer
- Acquires One PCM Input Channel
  - Data Rates up to 20 Mbps
  - Internal Frame Correlator
- Uses Digital Recording Format
  - Standard File Structure
  - Microsecond Frame Time Tag
  - Simplifies Direct Analysis from Tape
  - PCM Regeneration Not Required
- Flexible Control/Status Interfaces
  - CAIS Bus (Setup/Control/Status)
  - RS-232 (Setup/Control/Status)
  - Discrete (Control/Status)Description

### Description

The SMS-20XX solid state PCM Recorder is used in demanding applications such as airborne instrumentation recording. The unit is configured to handle one high speed serial PCM input at data rates up to 20 Mbps. IRIG-B time and mission voice are also recorded. A frame correlator decommutates the PCM data for direct file-structure recording. Plug-in memory cartridges are available with capacities ranging from 6 to 30 GB. The unit is programmable via CAIS Bus or serial RS-232. Control/Status is also provided. Acquired data is played back with a 19" PCbased rack mount server and a MicroCIDTM Memory Cartridge I/F Device.

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### SMS-20XX Datasheet

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Specifications subject to change without notice.



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