

IRIG-106 Chapter 10 Two-Channel PCM Solid State Recorder



Applications

- Flight test instrumentation systems
- Recording system
- Applications requiring playback/analysis on a standard laptop computer

Features

- For use in TTC's EDAU/CDAU/WDAU/nDAU series of products (double slot)
- IRIG 106 Chapter 10 solid state recorder
- Built-in solid state recorder
 - Sustained record rate over 40 Mbps
- Uses up to 2 removable CompactFlash cards
- Two independent PCM input channels
- Operates up to 20 Mbps per channel
- Built-in programmable frame correlator for each input channel
- Channels support RS-422 differential and single ended clock/data
- Time tagging per IRIG Chapter 10
- 100% data recording
- Frame lock output signals per channel
- Data download via USB 2.0 (using TTCWare)
- RS-232/422 (setup/control/status)
- Discrete I/O's (control/status)
- Configurable using TTC's programmable software application
- Multiple SSR-100W's may be placed within a single chassis

Description

The SSR-100W Chapter 10 solid state recorder is used in demanding applications such as airborne instrumentation recording.

The SSR-100W is an IRIG 106 Chapter 10 PCM solid state recorder for use in TTC's EDAU/CDAU/WDAU/nDAU series products. The SSR-100W has two independent PCM channel inputs. Each channel accepts RS-422 differential inputs at rates up to 20 Mbps on a per-channel basis. The PCM channel data is multiplexed and recorded on two CompactFlash cards in Chapter 10 format.

The unit is programmable via serial RS-232. Control/status is also provided. Acquired data can be analyzed/archived on a standard PC with data transfer via USB 2.0. Mission (elapsed) time tagging is used unless the time function is present within the chassis.

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SSR-100W Datasheet

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Management System
AS9100C
ISO 9001:2008