

Ground Recorder/Reproducer System

CPAS-5020, is a fully compliant IRIG106 Chapter 10 PCM **Ground Recorder/Reproducer System (GRS)**. As part of our **Chapter 10 Products, Applications and Solutions (CPAS)** family the **CPAS-5020** provides high-end PCM recording and reproduction performance at affordable costs when large channel counts are not required.

Operational in both stand-alone or external monitor/keyboard configurations. The **CPAS-5020** provides IRIG 106 Chapter 6 compliant remote command and control capabilities over Ethernet as well as compliant Chapter 10 UDP network streaming data transport.

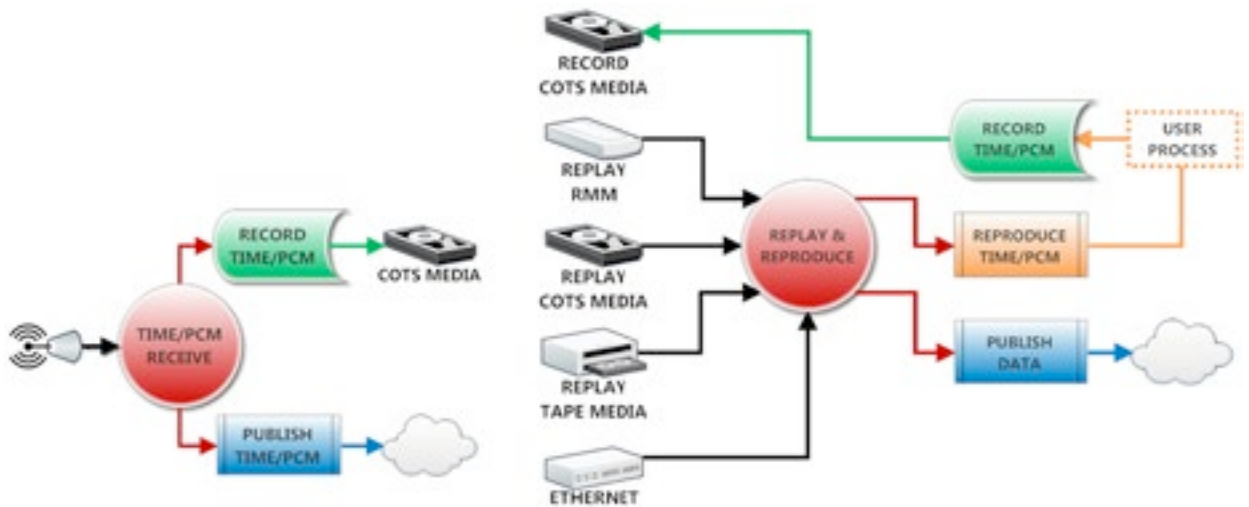
The **CPAS-5020** can replay/reproduce compliant Chapter 10 files from RMM's, media drives, SCSI tape, compact flash or Ethernet.



- 2 or 4 PCM Input Channels, Fully Independent, 20Mbps each
- 2 or 4 PCM Output Channels, Fully Independent, 20Mbps each
- Internal GPS Receiver & IRIG-A/B/G Time Code Generator
- 1-6 Removable Drives (Disk or Solid State)
- IEEE-1394B Firewire IRIG 106 Chapter 10 RMM Interfaces
- Touch Screen Control & Status Display
- Optional AIT or LTO SCSI Tape Drive
- Optional Bit Synchronizers, 20Mbps Per Channel

Ground Recorder/Reproducer System Features

- **PCM Inputs/Outputs**
 - 20Mbps Per Channel, Fully Independent
 - TTL (BNC), Optional RS-422 (Triax)
 - 75Ω Termination, Others Available
 - NRZ-L/M/S, BIO-L/M/S, RNRZ-L
 - De-Randomize, Invert Data/Clock
 - Internal (Output to Input) Loopback
- **IRIG Time Inputs/Outputs**
 - IRIG-A/B/G Per Input (AM or DC)
 - IRIG-A/B/G Time Code Generator
 - TCG Seed – External IRIG or Internal GPS
 - Internal (Output to Input) Loopback
- **GPS Receiver**
 - NMEA 0183 & 1PPS (30nS) Outputs
- **Optional Bit Sync**
 - (2) or (4) Channels @ 20Mbps Each
 - De-Randomizer 9/11/15/17/23 Bit
 - NRZ-L/M/S, BIO-L/M/S, DM-M/S
- **Chapter 10 Record/Reproduce/Publish**
 - High Stability RTC
 - ± 1μ Second Time Tagging/Alignment
 - Throughput, Packed, Unpacked PCM
 - 16 or 32 Bit PCM Alignments
 - Selectable Sync Strategy
 - Fully Independent Record & Reproduce
 - IRIG-A/B/G or GPS UTC Time Packets
 - Full Chapter 6 Dot Command Support
 - Remote Command/Control



Ordering Information

- **GRS-2-2:** 2 PCM Input & 2 PCM Output Channels
- **GRS-4-4:** 4 PCM Input & 4 PCM Output Channels
- ***BS-1:** 2 or 4 Channels Digital Bit Sync, Mezzanine Card, 20Mbps
- ***SSD-1:** Solid State Removable Drives (Specify Required Capacity)
- **ATD-1:** AIT Tape Drive
- **LTD-1:** LTO Tape Drive