



## (PCRS) Digital Data Recording System

A state-of-the-art digital data recording system that captures data from multiple avionics signal sources



Photos courtesy of [www.af.mil](http://www.af.mil)

*Engineered for life*

# (PCRS) Digital Data Recording System

The PCRS is a state-of-the-art digital data recording system that captures data from multiple avionics signal sources (e.g. MIL-STD-1553B, Ethernet, IEEE422) and accurately records the data to commercially available removable flash media, all in a rugged, compact package.

Designed for maximum flexibility, the PCRS is an effective replacement for legacy video and digital data recorders, offering exceptional performance and reliability, while being flexible enough to work within pre-existing size and power limitations.

The PCRS can be custom configured to satisfy a wide variety of digital data recording needs in support of flight test and operational avionics recording both for new installations and legacy programs requiring the upgrade of old and outdated equipment.

## Characterisitcs

- Modular PC/104 Architecture
- Data Recorded on Commercially Available Flash Media
- Embedded PC Compatible Processor
- Serial Remote Control (optional control via Ethernet)
- Simultaneous Recording of Multiple Busses
- MIL-STD-1553 Data Recorded in Standard IRIG 106 Chapter 8 Format (number of busses configurable to user requirements)
- User Selection of Data Parameters to Be Recorded
- Ethernet Interface available
- Accepts Various IRIG Modulated Inputs or GPS
- Extensive Built-In-Test and Self Diagnostics

## Features

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## Applications

Supports various avionics buses. Can be easily configured to support any platform

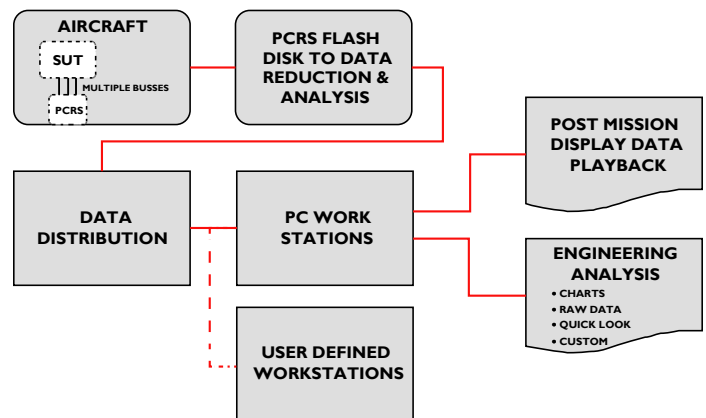
Can support both DT&E and OT&E test requirements or operational missions

ITT also offers a wide variety of Data Reduction & Analysis Software tools as companion options for the PCRS

- PC Windows based
- User definable parameters

ITT also has PC software packages available that provide post mission training and debrief capabilities

- Digital playback of display data
- Interactive or static playback
- Situational awareness
- Panoramic Frequency (Spectrum Analyzer type)



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