



# PASS 3200 Version 3.0

I/O & COMMUNICATIONS

Ultimate Protocol Analyzer and Simulation System for MIL-STD-1553 and ARINC 429/575 Data Bus

## Features

### Graphical Capability

- Real-time and archive data
- Gauges, strip charts, aircraft displays, tables, and annunciators

### Engineering Unit Conversions

- Binary shift and mask
- Linear conversions
- Concatenation
- Integer and floating point conversions

### Time Correlation Between Data Sources

- Merge archive and snapshot data for both 1553 and 429 into a single window
- Master/slave synchronization between multiple 1553/429 cards

### Network Capability

- Control and view data from SBS cards located on remote machines
- Monitor and control multiple PASS cards from anywhere on the network

### Software Function Generator in BC and RT

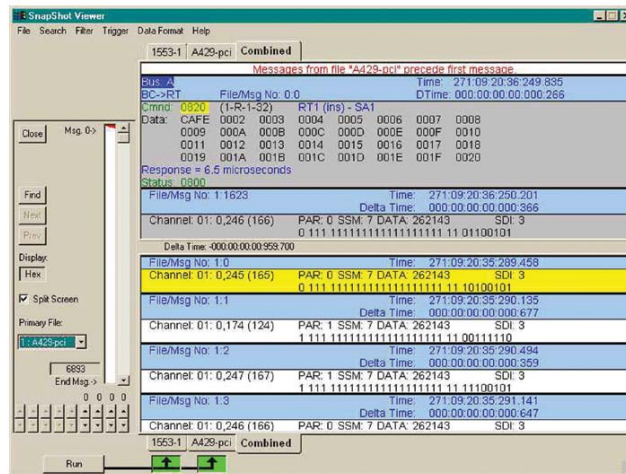
- Ramp, square, and sawtooth waveforms
- On-the-fly editing of data words

### Online Help

- Full text of user manual available online
- Context-sensitive

### Exporting

- Export converted and raw data to Microsoft(r) Excel
- Export archive data to ASCII file

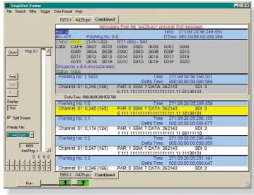


## PASS 3200

represents the next generation of SBS bus analyzer technology. Utilizing an improved operator interface with the graphical displays and engineering units conversions, PASS 3200 is both simple to use and allows intuitive interpretation of bus data. This powerful bus analyzer utilizes advanced Microsoft(r) Windows capabilities, taking full advantage of DCOM and multi-tasking technologies. New PASS 3200 features include remote control over a network, graphical display widgets, full ARINC 429 support, the ability to perform real-time engineering units conversions, and the ability to time-correlate and simultaneously view data from multiple data buses in a single window.

PASS-3200 Version 3.0 bus analysis tool is an advanced software/hardware combination providing additional functionality over previous versions of PASS 3200. SBS introduced the first Windows GUI based 1553 analyzer (PASS 1000) over 8 years ago, and continues to lead development of innovative analyzer products.

Version 3.0 includes a full suite of advanced features and functions, resulting in a powerful platform of extreme expandability and application for use in the laboratory, in flight, on the flight line, or any application requiring real-time data acquisition and analysis. Chief amongst these features is the capability of using the PASS GUI on one computer while the PASS card resides on another, and the capability to display engineering unit converted bus data via full array of widgets.



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## Specifications

### Backplanes and Operating Systems

- Available for PCI, CPCI, ISA, PCMCIA, and PC104 backplanes
- Operates with Microsoft(r) Windows(r) 95, Windows(r) 98, Windows(r) 2000, Windows(r) Me, Windows NT(r) 4.0 and Windows(r) XP

### Object and Icon Oriented

- Active icon objects for quick navigation
- Copy data into multiple buffers using drag, drop, cut, and paste functions

### Open API Connectivity

- Outstanding test development platform
- Fully integrates DataXpress™
- Easily integrates with custom code via DLL or DCOM interfaces
- Easily integrates with LabVIEW™ and other 3rd party applications

### Flat Functional Views

- Easy navigation and access to features
- Intuitive operations

### Enhanced Data Views

- Simultaneous viewing of multiple time-correlated buses and bus types within the same window
- Synchronize multiple archive file views
- Data presentation in binary, octal, decimal or hex
- Multiple bus activity status indicators
- Cursor tool tips for on-the-fly binary, octal, and hex conversions

### Archive and Monitoring

- Simultaneous archiving and playback of multiple MIL-STD-1553 and ARINC 429 data buses (Not available on the PASS-PCMCIA2 Series)
- Remotely start archive using electrical discrete interface or trigger on bus traffic time events
- Automatic one button archive control
- Archive by time length or archive file size
- Separate archive files for each stream
- Synchronized view of multiple streams
- Bus, RT, and RT sub-address labeling
- Compatible with previous PASS-3200 Version 2.x setup and archive files
- Compatible with PASS-1000 archive files
- Optional built-in IRIG timecode reader for time correlation of all bus data

### Data Function Generator

- BC and RT data simulation including square, ramp, sawtooth, and random

### Device Manager

- Integrated configuration and setup file management

### Advanced Bus Error Handling

- Detects and reports multiple errors per message (if present)
- Injection of multiple errors/word and multiple errors/message
- Allows for bus retry initialization messages
- Error reporting for lists that stop on error

### Software and Documentation Support

- PASS software application and documentation included on CD
- Hard copies of documentation available upon request

### Customer Support

- Two Year Warranty
- Extended warranties available
- Complimentary email, telephone, and FTP support

### Corporate Headquarters

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