

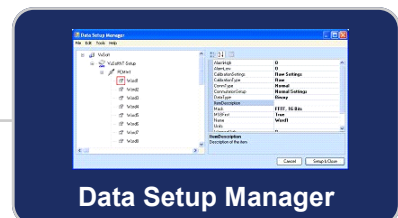


USB Bit Sync/Decom and VuSoft™ Software

JDA introduces the **USB-SD2**, leading the next generation in telemetry software decommutation cards. The USB-SD2 recovers 1 or 2 simultaneous serial input streams with clock at up to 32 Mbps per channel or 64 Mbps aggregate. Each channel has internal time tagging accuracy better than 10 uSec. Up to two telemetry encoders are also included on the card with multiple format types and RS422 or TTL outputs. Access to all of the signals is made easy via BNC connectors on the supplied breakout box.

USB-SD2-BS bit synchronizers maybe added to the USB-SD2 for rates up to 20 Mbps per stream. This daughter card to the JDA Systems USB-SD2 two channel soft decom unit for the first time offers exceptional performance on multiple telemetry streams while requiring only one USB port.

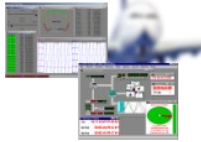
Controlling and data transfer from the card is simple with the JDA Systems **VuSoft** software which is designed to work with the USB-SD2. VuSoft operates under Microsoft Windows XP and not only recovers your data, but can also process, displays and record it in IRIG106 Chapter 10 compatible files in real time. VuSoft can also export PCM data as Comma Separated Files and archive recorded data files to tape.



For more details contact your local agent or contact JDA Systems directly:
JDA Systems, Gutenbergstrasse 4, 26632 Ihlow Riepe, Germany
Tel: +49-4928-91560 Fax: +49-4928-915620
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VuSoft Software Features

VuSoft



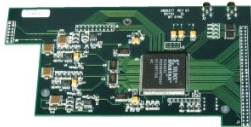
- Designed for easy of use and quick access to data
- Flexible display settings
- Records IRIG106 Chapter 10 compliant data files
- Exports data to comma separated files
- Archives data to tape (also in IRIG106 Chapter 10 format)
- Easy data setup manager for PCM channel and parameter definitions
- Support for user and recording events
- Capture and print the screen
- Displays Include: Tabular, Dial, Vertical & horizontal bar chart, Vertical & Horizontal Strip chart, X/Y plot, Moving Map and many other displays
- Save setup, data settings & screen files for later use

USB-SD2 Decommutation Card Features



- Interface Type: USB, no jumpers or switches on the card
- Transfer Notification: USB Driver on FIFO flip flop
- Bus Speed: USB 2.0
- Input Types: 2 Serial RS422 or TTL
- Input Bit Rate: 100 bps to 32 Mbps
- Input Code Type: NRZ-L BNC & Internal
- Output Types: 2 Serial RS422 or TTL
- Output Code Types: NRZ-L/M/S, BIO-L/M/, DM-M/S, RNRZ/RNRZR-9/11/15/17/23
- Output Bit Rate: 100 bps to 32 Mbps
- Maximum I/O Rate: 32 Mbps/Channel (Maximum 64 Mbps/Unit)
- Time Sources: IRIG A, B and G
- Bit Sync: Optional plug on daughter board with up to 2 bit syncs

USB-SD2-BS Bit Synchronizer Features



- Card Type Daughter card , no jumpers or switches on the card
- Transfer Type USB
- Input Connector SMA and BNC, Autogaining input 20mV > 10 Vpp
- Output Level TTL75 Ohm and RS422 Switchable, BNC External and Internal
- Data Polarity Normal or Inverted
- Input Bit Rate 100 bps up to 20 Mbps
- Input Code Types NRZ-L/M/S, BIO-L/M/, DM-M/S, RNRZ/RNRZR-9/11/15/17/23
- Output Code Type NRZ-L Data/CLK & Internal
- Bit Error Rate Within 1db to Theoretical
- Loop Bandwidth Automatic Full Digital
- Tracking Range Automatic Full Digital
- Clock Format 0 Degree and 180 Degree
- Indicators Search & Lock software indicators
- Operating Temp Better than 0 to 50 deg C
- Storage Temp Better than -20 to 80 deg C
- Operating Humidity 0 to 95% non-condensing

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