Wideband Systems, Inc.
ADVANCED RECORDING SOLUTIONS

Model DRS8200X
Wideband Telemetry Recorder

FEATURES

- 1600+ Mbps Sustained Data Rate Record and Playback

- Native IRIG-106 Chapter 10 Recording Format

- Data Export and Data Monitoring while Recording

- Two Removable Diskbanks
    - Capacity up to 7.2TB per Bank Solid-state or Rotary Disk Drives

- Flexible Recording Modes:
    - Striped or Mirrored

- Accepts a Single Interface Board (IFB)
    - Field Installable and Upgradable

- Timing Interfaces
    - Accepts IRIG-A, IRIG-B, and IRIG-G
    - External 1PPS and 10MHz Reference
    - Optional NASA 36

GENERAL DESCRIPTION

The DRS8200X is the compact member of the Industry-leading Digital Recording System (DRS) product family. Optimized for the Telemetry market, the DRS8200X provides exceptional bandwidth and scalability while maintaining strict compliance with the IRIG-106 Chapter 10 standard.

The DRS8200X accepts one user-installable Interface Board (IFB) providing extensive support for a wide range of telemetry applications. Employing a dual-disk bank architecture, the system provides user-selectable, flexible recording modes: striped (high data rate), mirrored (redundancy), or sequential (extended duration).

With a storage capacity of 2.4 to 9.6TB and an aggregate data rate of 1600+ Mbps, the DRS8200X is uniquely qualified for the most demanding telemetry requirements. The DRS8200X excels in pre-detect analog, post-detect digital PCM, and direct IF recording, as well as Video, Ethernet, Serial, and MIL-STD-1553 recording.

Building on the success of our robust and reliable Digital Recording Systems, Wideband Systems has raised the bar again – Introducing the Next Generation Digital Recording System – the DRS8200X.
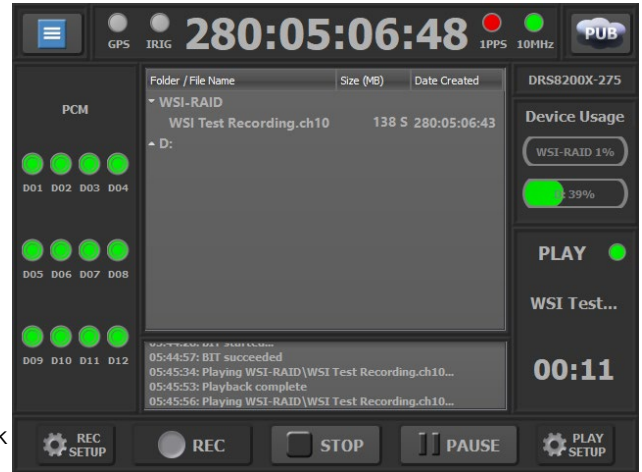
11900 Bournefield Way – Suite 120, Silver Spring, MD 20904, MD | 301.588.8840
www.wideband-sys.com | sales@wideband-sys.com

A DELTA INFORMATION SYSTEMS COMPANY

Model DRS8200X
Wideband Telemetry Recorder

Wideband Systems, Inc.

TECHNICAL SPECIFICATIONS

Dimensions:	3.50 x 19 x 23.5 inches
Weight:	30 pounds (13.6 kg)
Temperature	
Operational:	5 to 50 degrees Celsius
Non-Operational:	-25 to 65 degrees Celsius
Humidity:	5% to 95%, non-condensing
Power (VAC):	90-132 and 180-264 VAC
Power (Hz):	47 to 63 Hz
Power (Watts):	<300 Watts
Record Media:	Two Removable Diskbanks
Disks/Diskbank:	Four 2.5" Disks
Disk Type:	Hard Disk or Solid-State Disk
Disk Interface:	SAS or SATA
Diskbank Capacity:	1.2 TB (optional to 7.2 TB)
Operator Control:	Local Control via Front Panel 5.0" Touch Screen and/or auxiliary KVM
	Remote Control via Network attached PC
Data Transfer:	Data Transfer (Import/Export) to local USB and eSATA drives and Network attached devices

INTERFACE OPTIONS

Standard Interface Boards:

4A4D	4 Analog (up to 80MSPS)
	4 Digital PCM (up to 40Mbps)
12D	12 Digital PCM (up to 40Mbps)
2CHA1	2 High-Speed Analog (200MSPS)
4E4S	4 Ethernet (10/100/1000-Base-T)
	4 RS-232 UARTs (up to 1MBaud)
8E	8 Ethernet (10/100/1000-Base-T)
2V	2 SD/HD Videos, rates to 12 Mbps
2IFxx	2 IFs (xx = Center Frequency)
12M1553	12 MIL-STD-1553

General Analog Interface Boards:
Multi-channel, 8-16 bit A-to-D and D-to-A at 50K to 200 MSPS

General Digital Interface Boards:
1, 8, 16, 32 bits in ECL, PECL, LVDS, TTL logic

Other Interface Boards:
Telecom, CDL, Serial FPDP, CameraLink, DCRSi, DIR, and many more …

Custom Interfaces:
Can be provided quickly and cost-effectively

DRS8200X WARRANTY

Wideband Systems provides:
- Industry-Leading Two-Year Limited Warranty
- No-Cost Firmware and Software Updates
- Lifetime Technical Support

ORDERING INFORMATION

Please contact our technical sales staff to configure your Digital Recording System. Each system can be tailored to meet your interface, control, and fault tolerance requirements.

Email: sales@wideband-sys.com
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