

Wideband Telemetry Recorder

MODEL DRS8200X



KEY FEATURES

- 3200 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 8TB per Bank Solid-State or HDD
- Flexible Recording Modes Striped or Mirrored
- Accepts a Single Interface Board (IFB) Field Installable & Upgradable
- Timing Interfaces Accepts IRIG-A/B/G, NASA36 External 1PPS & 10MHz Reference Optional GPS Timing

GENERAL DESCRIPTION

The DRS8200X is the compact member of Wideband Systems' industry-leading Digital Recording System (DRS) family. Optimized for the telemetry market, the DRS8200X delivers exceptional bandwidth, scalability, and performance while maintaining full compliance with the IRIG-106 Chapter 10 standard.

This system supports one user-installable Interface Board (IFB), providing flexible integration across a wide range of telemetry applications. Its dual-disk bank architecture enables user-selectable recording modes including striped for high data rate and mirrored for redundancy.

With storage options from 4 to 16TB and an aggregate data rate of 3200 Mbps, the DRS8200X is built for high-demand telemetry missions. It supports pre-detect analog, post-detect PCM, and direct IF signal acquisition, along with video, Ethernet, serial, and MIL-STD-1553 recording.

Backed by Wideband Systems' legacy of rugged, field-proven performance, the DRS8200X delivers compact power and reliable digital recording in mission-critical environments.



RELATED PRODUCTS

| Antenna | Best Source Selector | Receiver | Telemetry Data Processor |
|---------|----------------------|----------|--------------------------|
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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, DC power optional |
| 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 |
| Data Security: | FIPS-140, AES-256 |
| Diskbank Capacity: | 2TB (optional to 8TB) |
| 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 52 Mbps) |
| 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 Video |
| 2IFxx | 2 IFs (70, 140, or 370 MHz Center Frequency) |
| 16M1553 | 16 MIL-STD-1553 |

General Analog Interface Boards

Multi-channel, 8-16 bit A-to-D and D-to-A at 50K to 200 MSPS

Custom Interfaces

Custom interface boards developed to meet specific telemetry needs
8F1394, 64Discrete, 8S, 8BCCDL, 4DBS, 32AR429, AND MORE!



*All system boards now come standard with a DisplayPort and dual USB 3.0 ports. VGA is no longer offered as a standard video output.

Recognizing that no standard product fits every mission, Delta Telemetry Systems is ready to deliver tailored solutions for your unique application requirements.

Specifications subject to change without notice.



DATA RECORDING