

Model DRS8300X

Wideband Telemetry Recorder

FEATURES

- 3200+ Mbps Sustained Data Rate Record and Playback
- Native IRIG-106 Chapter 10 Recording Format
- Direct Replacement for Legacy Products
- 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, Mirrored, or Sequential
- Accepts up to three Interface Boards
 - 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 DRS8300X is the workhorse member of the Industry-leading Digital Recording System (DRS) product family. Optimized for the Telemetry market, the DRS8300X provides exceptional bandwidth and scalability while maintaining strict compliance with the IRIG-106 Chapter 10 standard.

The DRS8300X accepts up to three user-installable Interface Boards (IFBs) 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 3.6 to 14.4TB and an aggregate data rate of 3200+ Mbps, the DRS8300X is uniquely qualified for the most demanding telemetry requirements. The DRS8300X 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 DRS8300X.



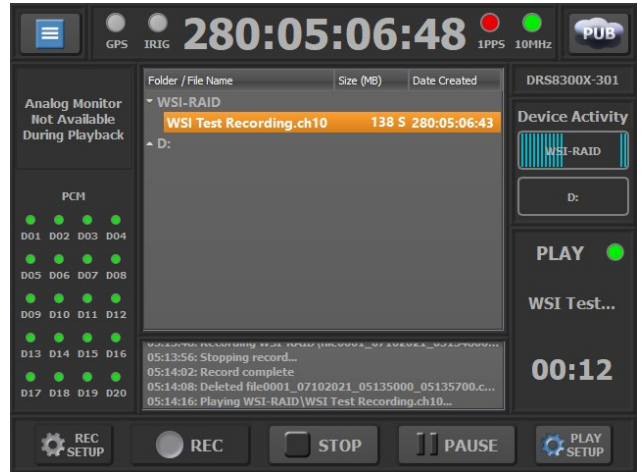
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TECHNICAL SPECIFICATIONS

- Dimensions: 5.25 x 19 x 23.5 inches
- Weight: 40 pounds (18.1 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): <350 Watts
- Record Media: Two Removable Diskbanks
- Disks/Diskbank: Six 2.5" Disks
- Disk Type: Hard Disk or Solid-State Disk
- Disk Interface: SAS or SATA
- Diskbank Capacity: 1.8 TB (optional to 7.2 TB)
- Operator Control: Local Control via Front Panel 6.5" 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:

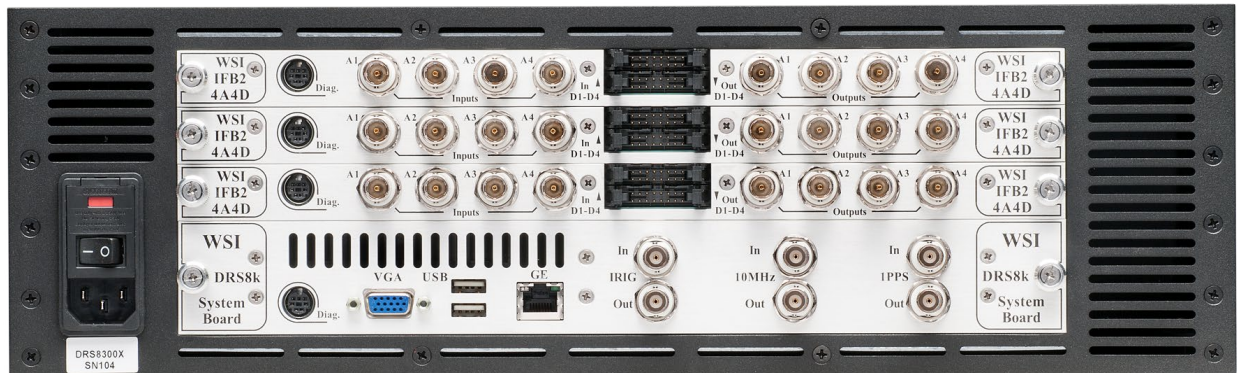
1, 8, 16, 32 bits in ECL, PECL, LVDS, TTL logic

Other Interface Boards:

Telecom, CDL, Serial FPDP, CameraLink, DCRS1, DIR, and many more ...

Custom Interfaces:

Can be provided quickly and cost-effectively



DRS8300X 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

Phone: 301.588.8840

