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 CH10 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-diskbank architecture, the system provides user-selectable, flexible recording modes: striped (high data rate), mirrored (redundancy), or sequential (extended duration).

With a storage capacity of up to 3.6TB 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 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.
Technical Specifications

**Dimensions:** 5.25 x 19 x 23 inches  
**Weight:** 40 lbs  
**Temp (op):** 5 to 50 degs C  
**Humidity (op):** 5% to 95%, non-cond  
**Temp (non-op):** -25 to 65 degs C  
**Power (VAC):** 90-132/180-264 VAC  
**Power (Hz):** 47 to 63 Hz  
**Power (Watts):** <350 Watts  
**Record Media:** Two Removable Diskbanks  
**Disks/Diskbank:** Six SFF 2.5” Disks  
**Disk Type:** Hard Disk or Solid-State Disk  
**Disk Interface:** SAS or SATA  
**Diskbank Capacity:** 432GB, 864GB, or 1.8TB  

**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 & eSATA devices and/or Network attached devices

Interface Options

**Standard Telemetry Interface Boards:**  
- 4A4D: 4 Analog Chs (up to 80MSPS)  
- 4 Digital PCM Chs (0-40Mbps)  
- 12D: 12 Digital PCM Chs (0-40Mbps)  
- 2CHA1: 2 High-perf Analog Chs (200MSPS)  
- 1E4S: 1 Ethernet Ch (10/100/1000)  
- 2V: 2 Video Chs NTSC/PAL Uncompressed and MPEG2  
- 12M1553: 12 Chs Mil-Std-1553

**General Analog Interface Boards:**  
- Multi-ch, 8-16 bit AD/DAs, 50KSPS-400MSPS

**General Digital Interface Boards:**  
- 1/8/16/32 bits, 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

DRS8300X Warranty

Industry-leading Two Year Limited Warranty

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  
Voice: (949) 420-0474

Lifetime Product Support

Firmware & Software upgrades and technical support are provided without additional cost to our valued customers.