

Product Offerings

WIDEBAND SYSTEMS

Wideband Systems is an innovative designer and manufacturer of advanced recording hardware for the aerospace, communications, and intelligence marketplace.

We specialize in COTS and custom designed recording systems, from portable to lab-based solutions that satisfy a wide range signal acquisition and storage requirements.

We are the industry leading supplier of high-performance, real-time recording systems with thousands of systems delivered to the DoD, NASA, major primes, and integrators.

PRODUCTS

The **DRS8000 Series** is a flexible series of disk-based recording systems, offered in four different base units to optimize your mission. Each system can be configured with a wide variety of interfaces and control options tailored to meet any recording requirement, while maintaining strict compliance with the IRIG-106 CH10 Standard.

All versions include:

- Exceptionable bandwidth and scalability
- TMoIP Gigabit Ethernet networking
- Modularity with 25+ field installable Interface Boards (IFBs)
- Removable dual-diskbank architecture with user-selectable, flexible recording modes: striped (high data rate), mirrored (redundancy), or sequential (extended duration) for infinite recording
- Real time data export and publish while recording
- Automatic time detection with IRIG-A/B/G & NASA 36 External 1PPS and 10MHz timing references
- Map channel reproduction to one or many outputs
- Applicable Security Technical Implementation Guides (STIG) out of the box with site customizations supported.
- Encryption options
- Removable 64-bit Windows 10 with Secure Host Baseline (SHB)

The **DRS9000 Series** is based on the DRS8000 Series but offers two different base units for true RF recording of C, S, L and P bands. Non-standard bands can be engineered upon request.

WHAT MAKES OUR TELEMETRY RECORDERS ADVANCED?

1. Incredibly Fast Speed
2. Massive Storage Capacity
3. Enormous Channel Count
4. Vast Interface Options
5. Easiest To Setup & Use
6. Fully Networkable
7. FIPS 140-2 Encryption

PRODUCT COMPARISON

WSI Product	Features & Benefits	Data Rate	Band Recording	Max IFBs	Removable Diskbanks
Model 9300X-MB	2 Independently Config I/O Channels, Dynamically tune bands, Selectable BW	9600+ Mbps	P Band, L Band, S Band, & C Band (Single RF Module Board)	N/A	(2) up to 21.6TB
Model 9300X	Highest data rates, RF flexibility	9600+ Mbps	P Band, L Band, S Band, or C Band	N/A	(2) up to 21.6TB
Model 8500X	Largest channel and recording capacity	4800+ Mbps	POPULAR IFB MODULES 4A4D 4 CH Analog & Digital PCM Record & Replay	7	(2) Up to 14.4TB per Bank
Model 8300X	Optimal combination of speed and capacity	3200+ Mbps	12D 12 CH Digital PCM Record & Replay	3	(2) up to 10.8TB per Bank
Model 8200X	Compact for specific applications <i>Installed at most major TM sites globally</i>	1600+ Mbps	21F70, 140 & 370 2 CH IF (70, 140, 370 Mhz) Record & Replay 8E 8 CH 1000, 100 & 10 Base T Ethernet Record & Replay 2VHD60 2 CH SD/HD Video & Audio Record & Replay	1	(2) up to 7.2TB per Bank
Model 8000P	Low cost, portable	1600+ Mbps	<i>And many more!</i>	1	(2) up to 2.0TB per Bank

PRODUCT OVERVIEW



DRS8000P

- Ultra-compact 2U, $\frac{3}{4}$ width and $\frac{1}{2}$ depth
- 1 user-installable Interface Boards (IFBs) slot
- Record and playback data rates of 1600+ Mbps
- Storage capacity of up to 4TB
 - SSD optional



DRS8200X

- Compact 2U rack mount chassis
- 1 user-installable Interface Board (IFB) slots
- Record and playback data rates of 1600+ Mbps
- Storage capacity of up to 14.4TB
 - SSD optional



DRS8300X

- 3U rack mount chassis
- 3 user-installable Interface Boards (IFBs) slots
- Record and playback data rates of 3200+ Mbps
- Storage capacity of up to 21.6TB



DRS8500X

- 5U rack mount chassis
- 7 user-installable Interface Boards (IFBs) slots
- Record and playback data rates of 4800+ Mbps
- Storage capacity of up to 28.8TB



DR9300X (SINGLE BAND)

- 3U rack mount chassis
- Modular design and can be user-configured for different RF bands by swapping in/out the appropriate RF Board Sets
 - S Band, L Band, C Band or P Band
- Record two RF signals directly from the multi-coupler
- Records up to 200MHz of signal BW for each channel (signals sampled at 500MSPS)
- Storage capacity of up to 21.6TB



DR9300X-MB (MULTI-BAND)

- 3U rack mount chassis
- 2 Independently Configurable I/O Channels
- Dynamically Tune To P/L/S/C Bands on a single RF module
- Record/Playback Rates 9600+ Mbps
- RF Spectrum Monitor While Recording
- Record two RF signals directly from the multi-coupler
- Selectable Bandwidth: 100MHz or 200MHz (signals sampled at 500MSPS)
- Center Frequency: Tunable within and outside of each available band
- Storage capacity of up to 21.6TB