Wideband Systems, Inc.
ADVANCED RECORDING SOLUTIONS

Product Offerings

WIDEBAND SYSTEMS

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

We specialize in COTS and custom designed recording systems, from portable to large lab-based solutions that satisfy a wide range of demanding 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.

In addition to outstanding hardware solutions, Wideband offers lifetime tech support, firmware and software updates.

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

PRODUCTS

The DRS8000 Series is offered in four different base units to optimize your mission. This flexible series of disk-based recorders can be configured with a wide variety of interfaces and control options tailored to meet any recording requirement. All versions offer exceptionable bandwidth and scalability while maintaining strict compliance with the IRIG-106 CH10 Standard. All versions include:

- TMoIP Gigabit Ethernet networking
- Modularity with 25+ field installable IFBs offering pre-detect analog, post-detect digital PCM, and direct IF recording, as well as Video, Ethernet, Serial, 1553 recording and more
- A removable dual-diskbank architecture including 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
- Flexibility to map the channel reproduction to one or many outputs
- Applicable Security Technical Implementation Guides (STIG) are implemented out of the box with site customizations supported.
- Encyrption options
- Removable 64-bit Windows 10 with Secure Host Baseline (SHB)

The DRS9000 Series is based on the DRS8000 Series but is a true RF recorder for C, S, L and P bands. Recording in other bands can be engineered upon request.

PRODUCT COMPARISON

WSI Product	Features & Benefits	Data Rate	Band Recording	Max IFBs	Removable Diskbanks
Model 9300X	Highest data rates, RF flexibility	9600+ Mbps	P Band, L Band, S Band, & C Band	N/A	(2) 6.0TB - 24.0TB
Model 8500X	Largest channel and recording capacity	4800+ Mbps	**POPULAR IFB MODULES** **4A4D** 4 CH Analog & Digital PCM Record & Replay **12D** 12 CH Digital PCM Record & Replay **2IF70, 140 & 370** 2 CH IF (70, 140, 370 Mhz) Record & Replay **8E** 8 CH 1000, 100 & 10 Base T Ethernet Record & Replay **2V-HD** 2 CH SD/HD Video & Audio Record & Replay *And many more!*	7	(2) Up to 14.4TB per Bank
Model 8300X	Optimal combination of speed and capacity	3200+ Mbps		3	(2) up to 10.8TB per Bank
Model 8200X	Compact for specific applications *Installed at most major TM sites globally*	1600+ Mbps		1	(2) up to 7.2TB per Bank
Model 8000P	Low cost, portable	1600+ Mbps		1	(2) up to 2.0TB per Bank

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PRODUCT OVERVIEW

DRS8000P

- Ultra-compact 2U, ¾ width and ½ 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
  - SSD optional

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
  - SSD optional

DR9300X

- 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 24TB

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