



DRS8000P

Portable Telemetry Recorder

Performance, Reliability, & Support

The DRS8000P is the ultra-compact member of the Industry-leading Digital Recording System (DRS) product family. Optimized for the Telemetry market, the DRS8000P, provides exceptionable bandwidth and scalability while maintaining strict compliance with the IRIG-106 Chapter 10 standard.

The DRS8000P accepts one user-installable Interface Board (IFB) 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 2.0 to 4.0 TB and an aggregate data rate of 1600+ Mbps, the DRS8000P is uniquely qualified for the most demanding telemetry requirements. The DRS8000P 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 portable DRS8000P.

**1600+ Mbps Sustained Data Rate
Record and Playback**

**Native IRIG-106 Chapter 10 and WSI
Recording Formats**

**Data Export and Data Monitoring
while Recording**

**Two Removable Diskbanks
Capacity up to 2.0TB per Bank
Solid-state Disk Drives**

**Flexible Recording Modes:
Striped, Mirrored, or Sequential**

**Accepts one User-installable
Interface Board (IFB)**

**Timing Interfaces
Accepts IRIG-A, IRIG-B, and IRIG-G
External 1PPS and 10MHz Reference
Optional NASA 36**

Gigabit Ethernet Network



**Industry-leading
Performance, Reliability, & Support**



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Technical Specifications

Dimensions: 3.5 x 14.5 x 12.5 inches
Weight: 15 pounds (6.8 kg)
Temp
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): <200 Watts

Record Media: Two Removable Diskbanks
Disks/Diskbank: Two 2.5" Disks
Disk Type: Solid-State Disk
Disk Interface: SATA
Diskbank Capacity: 1.0 TB (optional to 2.0 TB)

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 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 Video, rates to 12 Mbps
 (analog NTSC/PAL - MPEG2)
12M1553 12 MIL-STD-1553

General Analog Interface Boards:

Multi-channel, 8-16 bit A-to-D and D-to-A at 50K to 400 MSPS

General Digital Interface Boards:

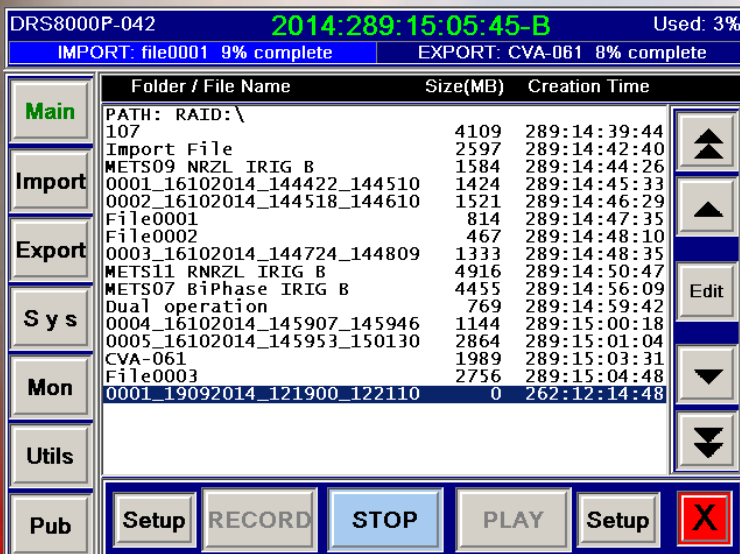
1, 8, 16, 32 bits in ECL, PECL, LVDS, TTL logic

Other Interface Boards:

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

Custom Interfaces:

Can be provided quickly and cost-effectively



DRS8000P Warranty

Wideband Systems provides:

- Lifetime technical support
- Lifetime firmware and software upgrades
- 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