

## Wideband Systems, Inc.

www.wideband-sys.com

Advanced Signal Recording Products

# DRS1100P

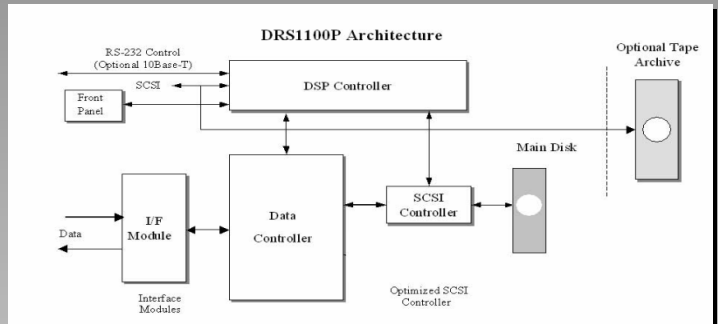
## Portable Digital Recording System 240+ Mb/sec

### Key Features

- Sustained 240+ Mb/sec record and playback
- Configurable performance: record rate and record length
- Supports standard and custom interfaces: Analog (pre-d), Digital (post-d PCM), LVDS, ECL/PECL, TTL, Serial, Video, 1553, Ethernet, ...
- Supports IRIG 106 Chapter 10 and WSI formats providing flexible data exchange
- Field portable, tabletop, or 3U Rackmount

### Applications

- Real-time signal recording and playback: Telemetry, video, sonar, radar, imagery, communications, SIGINT, ...



**Wideband Systems, Inc.** presents a significant new product providing wide bandwidth real-time signal recording and playback. The DRS1100P is a lightweight, flexible digital recording system employing a high reliability hard drive and uniquely optimized controller electronics. The product offers configurable performance and interface options to support a wide range of customer requirements (analog and digital).

The standard configuration of the DRS1100P supports continuous recording of data at 240+ Mb/sec for 160 minutes (300GB disk). Reducing the data rate extends the record time by a proportional amount. Alternatively, the recorder can be configured with a smaller disk (144GB) if the requirements permit.

The DRS1100P satisfies portable field and laboratory recording requirements and also provides significant support for the analysis of signals during playback. The unique ability to directly access any segment of data within milliseconds and the ability to continuously loop through data makes the DRS1100P an ideal resource for signal analysts.

The DRS1100P supports the off-loading of data to external tape drives (archive and restore) and supports the direct transfer of data to/from a PC workstation. The standard product is controlled by a simple, intuitive front panel interface and/or a user-friendly Graphical User Interface hosted by a locally-connected PC.

**Wideband Systems, Inc.** designs and manufactures sophisticated recording instruments for the aerospace, communications, and intelligence industries. In addition to our off-the-shelf products we offer design services and extensive customization to meet your demanding applications. We look forward to an opportunity to serve you.



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# DRS1100P

## Portable Digital Recording System

### 240+ Mb/sec

### Specifications

- Dimensions: 5.25" x 11.25" x 12.25"
- Weight: 15 lbs.
- Temperature (op): 5 to 50 °C
- Humidity (op): 10% to 90%
- Temp (non-op): -25 to 65 °C
- Humidity (non-op): 5% to 95%, non-cond.
- Power (VAC): 90-132/180-264 VAC
- Power (Hz.): 47 to 63 Hz.
- Power (Watts): 100 Watts
- Hard Disks (qty) One (Enterprise Class)
- Hard Disks (size) 144 or 300 GB
- Hard Disks (speed) 15K RPM
- Operator Interfaces  
Front Panel  
RS-232  
Local PC GUI  
Remote PC control
- Data Transfer  
Tape Archive/Restore  
PC File Import/Export  
PC File Archive/Restore
- Limited Warranty One Year

### Interface Options

- Analog I/O - 4 Chs., 8-12 Bits, 30 MSPS
- Digital I/O - 8/16/32 Bits ECL/PECL, LVDS, TTL
- Telemetry - Digital (post-d PCM upto 40Mbps)
- Telemetry - Analog (pre-d and direct IF)
- Video - NTSC/PAL uncompressed and MPEG2
- Ethernet, Serial, 1553, and others...
- Custom Interfaces can be provided quickly and cost-effectively

### 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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE