

## 64 Channel System Specifications

Approximate Continuous Recording Time for 64 Channels		
<i>Sample Rate (Hz)</i>	<i>Hours</i>	<i>Days</i>
2000	2924	122
10000	585	24.4
25000	234	9.75
50000	117	4.8
100000	58	2.4
150000	29	1.2
200000	14	.5

### System Features:

- High plot refresh rates (24 Hz refresh at 200 kHz sample rate) provides smooth, cinematic graphics for time-based and spectral plots
- Data protected by redundant hard drives (RAID 5 with a hot spare)
  - Lose 1 hard drive and continue testing, uninterrupted
  - Lose 2 hard drives without losing your data
- System uptime protected by redundant power supplies
  - Lose 1 power supply and continue testing, uninterrupted
- Dual boot Windows XP Pro and Linux
  - Record and view data with either OS interchangeably
- Dual GigE ports
  - 1 GigE port dedicated for testing
  - 1 GigE port dedicated for customer networks
- Data is exportable from the system by:
  - burned DVD
  - FTP
  - SFTP
  - Windows File Sharing (SMB)
- Removable system and data hard drives for secure applications
- Dual 20" wide screen digital displays

## Acquisition Specification

2 General Standards pci24dsi32

2 General Standards pci24dsi32 BNC breakout boxes or rack mount panels

Channel Count: 64

Resolution (Acquired): 24 bits per sample

Min Sample Rate: 2000 Hz

Max Sample Rate: 200000 Hz

Input Voltage Ranges: +/- 2.5 V, +/- 5 V, +/- 10 V

Input Voltage Limits: +/- 25 V powered, +/- 45 V unpowered

Input Impedance: 1.0 Mega ohm

Sigma Delta: YES

Symmetric: YES

## Hardware Configuration

Processor: 3.0 GHz 4 Cores

Memory: 2 GB

Total Storage: 4000 GB

Data Storage: (RAID 5) 2700 GB

Storage Hot Spare: Yes

Operating System: Win XP Pro or Linux

Redundant Power Supply: Yes

Redundant Storage: Yes

Form Factor: Rack Mountable