

32 Channel System Specifications

Approximate Continuous Recording Time for 32 Channels		
<i>Sample Rate (Hz)</i>	<i>Hours</i>	<i>Days</i>
2000	5859	244
10000	1171	48
25000	468	19
50000	234	9.6
100000	117	4.8
150000	78	3.2
200000	58	2.4

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

- 1 General Standards pci24dsi32
- 1 General Standards pci24dsi32 Breakout Boxes

Channel Count: 32

Resolution (Acquired): 24 bits per sample

Resolution (Stored): 16 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 Megohm

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 and Linux

Redundant Power Supply: Yes

Redundant Storage: Yes

Form Factor: Rack Mountable