Features

- High channel count options
- Playback
- Export via GigE, DVD or USB
- Timecode annotation
- Removable system and data drives
- Event Recording
- Several maximum bandwidth options
- Various chassis options, including TEMPEST Level III
- Signal Conditioning Modules (Current, High-Voltage, IEPE, Strain, Temperature, etc.)

Recording:
- Single-ended or differential
- Variable gain on all channels
- 16 or 32-bit format
- Simultaneous sampling up to the highest sample rate on all channels
- Duration only limited by disk size
- Wave64 or IRIG-106 Chapter 10 formats

Analysis:
- Signal level meters
- Signal level history
- Real-time FFT display of all channels
- Real-time high-resolution FFT of a single channel
- Multi-channel oscilloscope
- Extend analysis with SoundView installation
  ◊ single-resolution multi-channel
- Extend analysis with TrueView processing system
  ◊ multi-resolution multi-channel
  ◊ extended time history
  ◊ aural listening/playback

Playback:
- 1:1 (input:output) signal reproduction
- Real-time data multicasting to third-party processing or custom software applications
INSTRUMENTATION DATA RECORDER

Instrumentation signal recording, analysis, and playback

Technical Specifications

Analog
Option:
-70K
  Single-ended or differential
  4 to 144 kSPS
  70 kHz
  24-bit
  {±1V, ±2V, ±5V, ±10V, selectable}
  114dB (unweighted)
  0.005 dB (0.1%) inter-channel
  ±120 ns inter-channel
  -100 dB @ -1 dB signal
  1 MΩ
  DC
  {1 Hz high-pass filter, selectable}
  {±1V, ±2V, ±5V, ±10V, selectable}
  -41 dB @ -3 dB signal
  170 Ω

-01M
  Single-ended or differential
  64 to 4000 kSPS
  1 MHz
  24-bit
  {±1V, ±2V, ±5V, ±10V, selectable}
  114dB (unweighted)
  0.005 dB (0.1%) inter-channel
  ±10 ns inter-channel
  -70 dB @ -1 dB signal
  1 MΩ
  DC
  -
  {±1V, ±2V, ±5V, ±10V, selectable}
  -41 dB @ -3 dB signal
  170 Ω

Annotation Options
Voice
  Bandwidth: 4 to 8 kHz
IRIG-B Timecode
  I/O Level: 2 VPP

Storage Media
Type: SSD or HDD
Form Factor: 2.5"
RAID: 0, 1, 5

Power
Input Voltage Range: 110-240VAC
Input Frequency Range: 50-60Hz

Temperature
Operating Range: 0 to +40°C

Ordering Options
IDR-BXXX-A###-D##-CC

BXXX
  Maximum Bandwidth
A###
  Number of analog channels
D##
  Number of digital channels
CC
  Chassis

(70K: 70kHz, 01M: 1MHz)
(08 to 96 [multiples of 8])
(08 to 96 [multiples of 8])
(CN: 4U Rack (TEMPEST-III),
P: Portable,
R: 4U Rack,
W: Workstation)