

HINDSIGHT-G2™/PE2900/Harris OpenSky SR9

Multi-Media Logging Recorder

(Analog, Digital, VoIP, RoIP and Video for NG911)

NG911/P25 Ready: Audio, Video and Data Recording in One Recorder (Powered by Dell PE 2900 Server)



Featuring “Hindsight-G2™” Multi-Media Logging Recorder Powered by Dell PE2900 Server Expandable to 360 Channels

“Hindsight-G2/OpenSky/PE2900” Recorder Overview

The “Hindsight-G2/OpenSky/PE2900” Multi-Media IP Logging Recorder was specifically designed to address the recording requirements associated with transitioning from conventional telephone and radio systems to the new Voice-over- IP (VoIP) and Radio-over-IP (RoIP) technologies. More specifically, the “Hindsight-G2/OpenSky/PE2900” Multi-Media IP Logging Recorder is the P25 recorder version which addresses the Project 25 requirements for mission critical IP-based communications recording. The “Hindsight-G2/OpenSky/PE2900” Multi-Media IP Logging Recorder presents a fault-tolerant multi-media recording platform which can support both Public Safety and Military inter-operability communications recording. This unique multi-media platform allows the “Hindsight-G2/OpenSky/PE2900” Multi-Media IP Logging Recorder to be configured to support up to 360 channels of simultaneous recording per recorder module. Recorder may be configured to support virtually any combination of RoIP, VoIP, conventional radio, P25, EDACS, OpenSky, other trunked radio, analog or digital telephone sets, T1/E1/PRI/BRI, and E911 Trunks, plus surveillance video as one seamless recording solution. “Multi-Media/Multi-Recorder/Multi-Site Recording”

OpenSky VNIC Audio Processing

Audio communications and associated data in an OpenSky environment are recorded via VNIC interface between the “Hindsight-G2/OpenSky/PE2900” Multi-Media IP Logging Recorder and the HARRIS OpenSky radio system. The recorder can support simultaneous multi-channel decoding of packetized AMBE vocoded communications conforming to P25 requirements, as well as decoding other vocoder formats such as IMBE, and GSM if presented. Recorded VNIC communications are processed using AES encryption/decryption algorithms, and support automatic, manual or “Over the Air Re-keying (OTAR).”

Call Specific Data

Recorded radio and telephone audio communications are saved into online storage facilities along with call specific data which is saved into a SQL database. This facilitates future rapid search and retrieval by column based call specific data such as Time/Date, Duration, Call Type, Talkgroup ID, Talkgroup Alias, Caller ID, Caller Alias, Callee Alias, Affected Entities, Patched or Simulselect Calls, Channel Name, Dialed Number, ANI/ALI etc...

TRU-IR™ Instant Recall

The “Hindsight-G2™” Multi-Media Logging Recorder has an instant recall buffer capacity which is configurable starting at 70,000 channel hours as a function of hard disk size, allowing the most recent radio or telephone communications to be replayed without disturbing the archival media. The TRU-IR feature allows users to playback any part of a call, while it is still being recorded. The “Hindsight-G2™” Multi-Media Logging Recorder utilizes dynamic storage allocation to distribute memory as required, rather than assigning specific memory segments to each channel.

“Hindsight-G2”, “TimeGate”, “TRU-IR”, “EARS Instant Recall” and “EARS-IP Remote Channel” are trademarks of EXACOM, Inc.

“Windows 2000/XP/Vista/2008 Server/SQL Server” are trademarks of Microsoft Corp. Dell “Power Edge Server” and PE2900 Server are trademarks of Dell Corp.

DS-G2-Harris-OpenSky-PE2900A

“TimeGate” Advanced Graphical User Interface Featuring: Audio, Video and Data Search and Playback

The “Hindsight-G2/TimeGate” Windows XP/Vista/7 compatible playback and real-time monitoring software provides for multi-user network access to the one or more recorders. Effective search and playback is accomplished through the unique “TimeGate” GUI which provides for a superior user friendly environment for searching and retrieving calls. The “TimeGate” GUI provides for user specific viewing and management of recording data by providing a mechanism for setting up pre-filtered folders, configurable call list columns, multi-channel time-line view, along with multi-recorder call cataloging, retrieval tools and advanced “Save-As” features. Thereby, users can preset their search folders by talk group, radio console position or telephone extension/lines or other criteria to facilitate rapid access to most commonly searched data.

Recording Tags and Notes

Recorded calls can be tagged and saved in tag folders. This feature is useful for organizing and documenting calls related to incident, evidence requests or personnel related call activities. Saved tag lists and related notes can be exported to other media; CD, DVD, tapes, or sent to other locations via email.

System Logs, Alarms and Reports

The “Hindsight-G2/OpenSky/PE2900” Multi-Media IP Logging Recorder logs all user activity, and recorder system changes by user name, date, description, as well as recorder activities and alarms. Recorder alarms may be set up through configurable parameters to escalate to LAN based pop-ups or email notification. Additional reporting options are available for analyzing recording system activities as well as system warnings and errors.

Options (Call Factory)

- * Hindsight-G2/NG911 Next Generation 911 Integration
- * Hindsight-G2/QA-911 Quality Assurance
- * Hindsight-G2/TRU-Copy Certified Recording Authentication
- * Hindsight-G2/AES Encryption w/Manual, Automatic or OTAR Key Support
- * Network Attached Storage (NAS) for Recording Archive
- * Power Options: 120/240 VAC 50/60 HZ, 48 VDC, other call factory

Salient System Features

- Supports up to 360 channels for conventional radio, OpenSky radio, and telephone trunk or station recording with vox, line sense, contact closure, digital set data, RS232 serial or external IP activation. (Call Factory for Configuration Options)
- “TRU-IR” Instant Recall with minimum online storage capacity of 70,000 channel-hours with optional mass storage via local Raid-5 array with hot-swappable hard drives, or other DAS, NAS, etc.
- Logging Recorder runs on Windows 2008 Server OS
- Dual 115/230vac, 50/60hz power supplies, Dual 48vdc input power supplies are available as an option
- NAS or DVD-RAM drives for archival removable storage are available in various configurations
- Dual 10/100/1000MB NIC and TCP/IP support
- VNIC Configuration Utility supporting Dynamic Interests
- Supports multi-site recording with central archiving
- Windows XP/Vista/7 network playback or monitoring
- Fault-tolerant design supports optional full system redundancy in both local and site redundant configurations
- Simultaneous recording and multi-user playback
- Multi-level passwords
- Live record/channel monitoring via exclusive “TRU-IR” feature
- Multiple search criteria:
 - ◆ Time & date
 - ◆ Entity and/or Entity range
 - ◆ Call type, Talk groups, Caller/Callee aliases
 - ◆ ANI/ALI, Dialed digits or Caller-ID

- Comprehensive log files and reporting options
- Archive overwrite protection
- Archive media library