

HINDSIGHT-G2™/T630/Harris P25/OpenSky/EDACS (SR10)

Multi-Media Logging Recorder (Analog, Digital, VoIP, RoIP and Video for NG911)

NG911/P25 Ready: Audio, Video & Data Recording in One Recorder (Powered by Dell "PowerEdge" T630 Server Expandable to 360 Channels)



Featuring "Hindsight-G2™" Multi-Media Logging Recorder Powered by Dell "PowerEdge" T630 Server Expandable to 360 Channels

"Hindsight-G2/P25/T630" Recorder Overview

The "Hindsight-G2/P25/T630" 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/P25/T630" Multi-Media IP Logging Recorder is the P25 recorder version which addresses the APCO Project 25 requirements for mission critical IP-based communications recording. The "Hindsight-G2/P25/T630" Multi-Media IP Logging Recorder presents a fault-tolerant multi-media recording platform which can support both Public Safety and Military interoperability communications recording. This unique multi-media platform allows the "Hindsight-G2/P25/T630" 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, screen capture plus surveillance camera video as one seamless recording solution. "Multi-Media/Multi-Recorder/Multi-Site Recording"

P25 VNIC Audio Processing

Audio communications and associated data in a P25 environment are recorded via VNIC interface between the "Hindsight-G2/P25/T630" Multi-Media IP Logging Recorder and the HARRIS P25/Opensky (SR9) radio system. The recorder can support simultaneous multi-channel decoding of packetized IMBE vocoded communications conforming to P25 (Phase 1 & 2) requirements, as well as decoding other vocoder formats such as AMBE, GSM or PCM if presented. Recorded VNIC communications can be processed using optional AES encryption/decryption algorithms, and support automatic, manual or "Over the Air Re-keying (OTAR)".

SQL Database

The "Hindsight-G2™" Multi-Media Logging Recorder database is designed around industry standard SQL database. The MS-SQL architecture provides the flexibility to support a highly interactive database environment.

Disaster Recovery Backup

All audio and video recorded by the "Hindsight-G2™" Multi-Media Logging Recorder system are automatically saved to the Disaster Recovery Network Attached Storage (NAS) media. Sophisticated media management features enable the system to differentiate between record and playback media. NAS solutions are available upon request and are sized to mirror the "Hindsight-G2™" Multi-Media Logging Recorder servers online storage.

Simultaneous Record/Playback

Recordings on the online or disaster recovery backup NAS media may be accessed while recording continues.

Access Speed

Data recovery on the "Hindsight-G2™" Multi-Media Logging Recorder system has been designed for optimal performance. Retrieval of recordings from the instant recall buffer is nearly immediate. Indexing of recordings on the online and disaster recovery backup NAS media ensures fast access. In addition, the recently replayed disaster recovery recordings are cached to the online hard disk for quick replay.

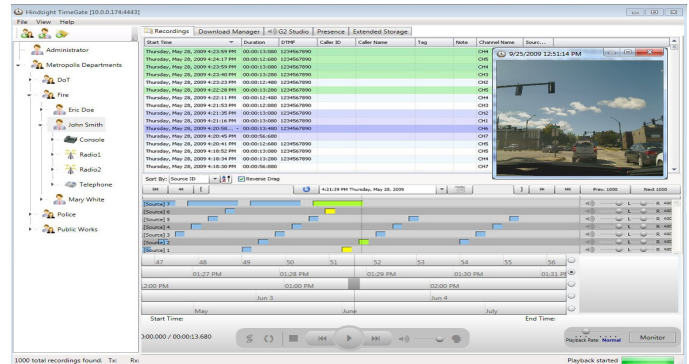
System Logs, Alarms and Reports

The "Hindsight-G2/T630" 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. SNMP is supported via Hindsight-G2 MIB.

"TimeGate" Advanced Graphical User Interface

Featuring: Audio, Video & Data Search, Playback and Monitoring

The "Hindsight-G2/TimeGate" Windows XP/Vista/7/8 compatible playback and real-time monitoring software provides for multi-user network access to the recorders. Effective search, playback and monitoring 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 present their search folders by talk group, radio console position, telephone extension/lines, video or other criteria to facilitate rapid access to most commonly searched data.



Case/Incident Folders for Tagged Recordings

Calls can be tagged and saved in case or incident folders. This feature is useful for case management and incident recreation. Tagged recordings can also be saved to archival media along with text notes associated with case.

Communication Specific Metadata Data

Recorded radio, telephone and video communications are saved into online storage facilities along with call specific data which is saved into a MS-SQL server database. This facilitates feature 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, Called Alias, Affected Entities, Patched or Simulselect Calls, Channel Name, Dialed Number, ANI/ALI etc...

Quality Assurance (QA)

Hindsight-G2 Quality Assurance (QA) integrates fully with the Hindsight-G2 TimeGate Digital Multi-Media Recording System to provide a tool which allows you to monitor the performance of agents by playing back a selection of calls and evaluating them using an onscreen score sheet. The data generated from the call evaluation is used by a reporting engine to generate reports of call traffic monitoring and call handling performance. Hindsight-G2 QA is embedded into the Hindsight-G2 TimeGate providing an additional database and web pages which are accessed through the tabs on TimeGate, providing you have adequate licensing and access rights.

COTS (Commercial off the Shelf)

The "Hindsight-G2™" Multi-Media Logging Recorder runs in a Windows Server 2008 OS environment utilizing a service friendly platform and other COTS components featuring redundant fans, hot swappable power supplies and various RAID disk array redundancy options.

Option (Call Factory)

- * Hindsight-G2/NG911 Next Generation NENA NG9-1-1 (i3) w/ ANI/ALI
- * Hindsight-G2/DIACAP IA Hardening (Gold Disk)
- * Hindsight-G2/TRU-Copy Certified Recording Authentication
- * Hindsight-G2/AES Encryption w/Manual, Automatic or OTAR Key Support
- * Power Options: 120/240 VAC 50/60 HZ, 48 VDC, other call factory

Typical Applications

- E911, Police, Fire, and EMS Communications
- DoD, DHS, FAA and other Federal Agencies
- Aviation, Marine, Transportation and Utility Radio Communications

Supported Line Interfaces

Telephone: Analog, Digital, VoIP, BRI, PRI, T1, E1 & NENA NG911-(i3) w/ANI/ALI
 Radio: Conventional Analog, Digital, RoIP, Trunked, APCO P25-ISSI/CSSI
 Video: MPEG-4, H264, CATV, other formats call factory

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