

HINDSIGHT-G2™/T620/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" T620 Server)



**Featuring "Hindsight-G2™" Multi-Media Logging Recorder
Powered by Dell "PowerEdge" T620 Server
Expandable to 360 Channels**

"Hindsight-G2/P25/T620" Recorder Overview

The "Hindsight-G2/P25/T620" 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/T620" 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/T620" 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/T620" 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/PR1/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/T620" 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).*

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 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, Called 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.

System Logs, Alarms and Reports

The "Hindsight-G2/P25/T620" 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.

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
- * Power Options: 120/240 VAC 50/60 HZ, 48 VDC, other call factory

"TimeGate" Advanced Graphical User Interface

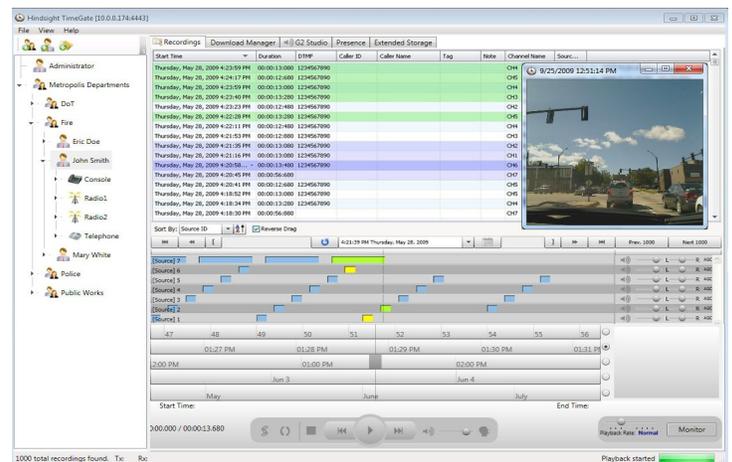
Featuring: Audio, Video & Data Search, Playback and Monitoring

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, 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 preset 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.

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.

Salient System Features



- Hindsight-G2 supports up to 360 channels for conventional radio, P25 radio, telephone trunk station, video and screen capture recording with vox, line sense, contact closure, digital set data, RS232 serial or external IP activation. (Call factory for other configuration options)
- "TRU-IR" Instant Recall with minimum online storage capacity of 70,000 channel-hours via optional mass storage via local Raid-5 array w/hot-swappable hard drives, or other DAS, NAS, SANS, etc.
- Logging Recorder runs on Windows 2008 Server OS
- Dual 115/230vac, 50/60hz power supplies, Dual 48vdc power supplies available as an option
- NAS or DVD-RAM drives for removable archival 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
- Client or web based playback and monitoring options for Windows XP/Vista/7 workstations
- Fault-tolerant design supports optional Local or Geo-Diverse Full System Redundancy
- Simultaneous recording and multi-user playback
- Multi-level Security to manage access and user permissions
- Live record/channel monitoring via exclusive "TRU-IR" feature
- Multiple search criteria: Time & date, Entity and/or Entity range, Call type, Talk groups, Caller/Called aliases, Caller/Called ID, ANI/ALI, Dialed digits and other metadata as available
- Comprehensive log files and reporting
- Archive media overwrite protection and media library
- Remote maintenance via customer provided VPN
- Recorder alarm notification, escalation and SNMP support via G2 recorder MIB

Typical Applications

- HARRIS Radio Systems; (SR10) P25^{IP} & OpenSky, EDACS and P25-ISSI
- E911, Police, Fire, and EMS Communications
- DoD, DHS, FAA and other Federal Agencies
- Telecom, Conventional Radio, Trunked Radio and RoIP Systems
- Security Alarm Monitoring and Dispatch
- Aviation, Marine, Transportation and Utility Radio Communications

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