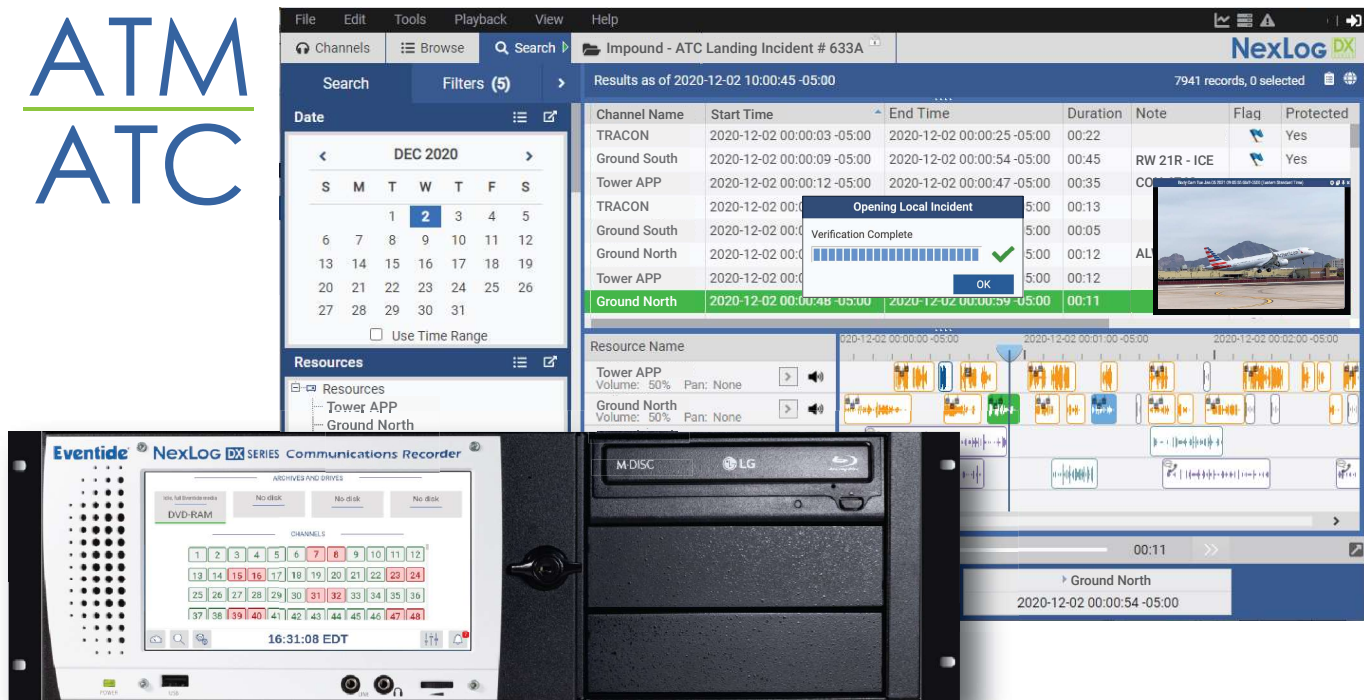


# NexLog

## DX SERIES

### Communications Recording Solutions

ATM  
ATC



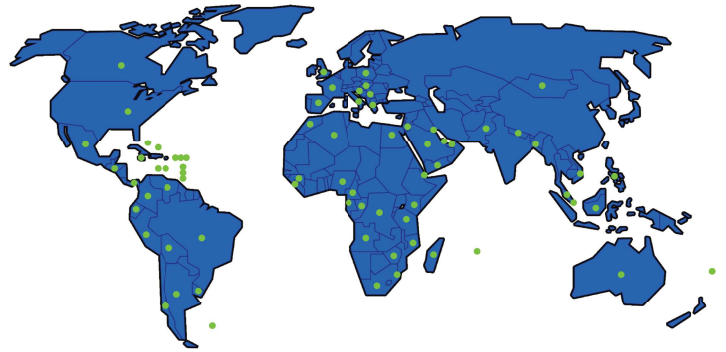
## Advanced Recording Solutions for Air Traffic Management, Legal Recording, Radio Communications and Ground Control

ED-137C VoIP Recording • Analog • E1 • T1  
GRS • VCCS • CWP • Legal • Ambient • Telephony  
Replay • Quarantine • Impound • Export  
Off-Line Replay • Monitoring • Reporting • API  
Screen Recording • Synchronized Replay Integration

## ► Eventide - Trusted Supplier of Advanced ATM/ATC Voice Recording Solutions

Agencies in more than 50 countries worldwide trust Eventide's voice recording systems to securely and reliably record, store, protect, quarantine, export and replay their critically important ATM/ATC voice interactions.

Eventide is a technology leader with more than 20 years of ATM/ATC voice recording experience. Our NexLog DX-Series systems are the optimum choice for modern recording requirements, with full **ED-137C** (VoIP) support, a modular and scalable architecture, and fault-tolerant platforms for maximum reliability.



**ISO-9001:2015 Certification** confirms Eventide's commitment to outstanding quality assurance for our products and services.

## ► NexLog DX-Series Voice Recorders for Air Traffic Control and Management

The NexLog DX-Series recording systems are designed to meet the specific needs of ATM/ATC environments, and feature an open system architecture with embedded Linux operating system, embedded robust SQL database, up to 18 terabytes of internal RAID storage and multiple levels of redundancy. Archive choices include RDX, Blu-ray, DVD-RAM, USB, Removable HDD, Network Attached Storage (NAS) and automatic replication to other NexLog recorders. NexLog DX-Series solutions are fully scalable from a single site to national deployments with thousands of channels.

### Recording Capabilities:

- Records VCCS, GRS, CWP and ambient audio
- ED137B/C-Part 4 VoIP recording conformance
- Records telephony (VoIP, T1/E1, ISDN, Analog)
- Supports ATM legal recording requirements

### Security Features:

- Encrypted storage for maximum security
- Support for compliance with password policies
- Multi-tier access security for users and groups
- Comprehensive auditing of each user's actions

### Replay, Investigation and Training:

- Intuitive user interfaces increase the efficiency of investigations and training
- Web-based tool for analysts, investigators and trainers to search, replay, quarantine, and impound across one or many recorders
- Off-Line PC replay tool for impounds and archives, including tamper detection
- Performance analysis and evaluation tools for training and process improvement

### Resilience:

- Fault-tolerant with redundant power supplies, storage drives and archiving
- Available fully redundant dual recorders
- Optional automatic archiving/replication between two or more NexLog recorders

### System Management:

- Web-based tool for complete system management, configuration and control
- Optional LDAP or Active Directory integrations
- Alarm management, remote alerting, SNMP



NexLog DX-Series recording solutions are typically supplied as turn-key servers. Virtualized NexLog DX-Series recording solutions are also available.

*NexLog DX-Series recording solutions are designed, developed and assembled by Eventide Inc. in New Jersey, USA. Solutions are provided and installed worldwide, in partnership with our outstanding network of value-added resellers and partners.*

## ► ED-137C VoIP Voice Recording

Eventide NexLog DX-Series recorders support the ED-137C interface for VoIP recording from Ground Radio Stations (GRS), Controller Working Positions (CWP), and Voice Communications & Control Systems (VCCS). Eventide is a member of EUROCONTROL's VoIP in ATM Implementation and Transition Expert group and EUROCAE Working Group 67.

## ► CWP Screen Recording

NexLog DX-Series recording solutions can be configured to provide software-based screen recording of Linux and Windows-based CWPs. Screen replay is fully synchronized with audio for accurate reconstruction of incidents.

## ► Synchronized Voice/Radar Replay

NexLog DX-Series recorders support interfacing with Thales TopSky playback servers for fully synchronized scenario replay with search, play, pause and resume. In addition, leading providers of At-The-Glass screen and data recording solutions now offer multimedia replay tools that synchronously replay data with NexLog DX-Series voice recordings.

## ► NexLog DX-Series API

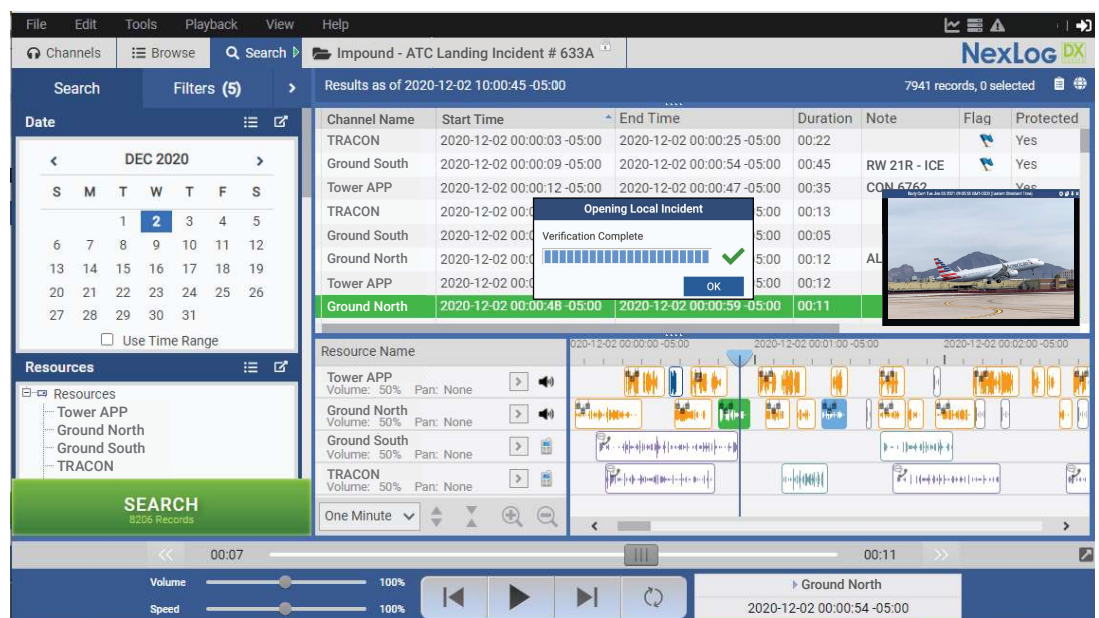
Eventide offers a set of Application Programming Interface (API) options, which allow development partners to programmatically search and access voice recordings for use during synchronized multimedia replay.

## ► MediaWorks DX Software for Search, Replay, Impound, Export and More...

The Eventide MediaWorks DX software provides a complete set of tools to manage each incident's recordings and to control access. Features include multi-parameter search, multi-channel replay, graphical time-line, pitch-corrected variable-speed, loop playback, skip forward/back, audio waveform displays, playback AGC, live monitoring, quarantine, impounding and export. To meet the specialized needs of ATM/ATC, the following two variations of MediaWorks DX software are available:

- **Off-line Windows application:** Provides secure replay of impounded files (with validation) and archives, without a network connection to the NexLog DX-Series recorder. Also permits secure search, replay and management of recordings & impounds via LAN connection to the recorder.
- **Web-browser interface:** Secure search, replay and management of recordings and impounds using Chrome, Firefox, Safari, or Edge browsers on Windows, Mac, or Linux PC. Capabilities include:

- Create an incident
- Name the incident
- Set access permissions
- Quarantine recordings
- Impound & validate
- Split audio clips
- Merge audio clips
- Talking time & date
- Add voice annotation
- Add text annotation
- Add text notes
- Upload surveillance video to the incident for storage and replay
- Save the incident
- Export the incident
- Email the incident
- Burn CD/DVD/Blu-ray





## ► Touch Screen Option

- Search, replay and protect recordings directly from the recorder's front panel.
- Create incidents, export incidents and burn to CD/DVD
- Live monitor, view alerts, view archive status, view logs and configure the recording system



Info mode: Channels, Archives, Alerts, Live Monitor



Replay mode: Search, Replay, Build Incidents, Export

## NexLog 740 DX-Series



- **Channel Capacity\*:** Up to 560 ED-137, 560 Telephony VoIP, 240 T1 or ISDN-PRI, 240 E1 or ISDN30, 96 Analog 2-wire, 48 Analog 4-wire, or 96 Digital PBX 2-Wire
- **Power:** Dual hot-swap power supplies, 350W, 100-240VAC, 50-60Hz, (optional -48VDC or +24VDC input)
- **Dimensions:** 3U rack-mountable. Height 5.25" (134mm), Width 19" (482mm), Depth 24" (610mm)
- **Weight:** 50 to 80 pounds (23 to 34 kg)
- **Environmental:** +5C (41F) to +40C (104F), 10 to 80% RH non-condensing, 1190 BTU/h

## NexLog 840 DX-Series



- **Channel Capacity\*:** Up to 560 ED-137, 560 Telephony VoIP, 240 T1 or ISDN-PRI, 240 E1 or ISDN30, 240 Analog 2-wire, 120 Analog 4-wire, or 240 Digital PBX 2-Wire
- **Power:** Dual hot-swap power supplies, 400W, 100-240VAC, 50-60Hz
- **Dimensions:** 4U rack-mountable. Height 7" (178mm), Width 19" (482mm), Depth 26" (661mm)
- **Weight:** 65 to 95 pounds (30 to 43.2 kg)
- **Environmental:** +5C (41F) to +40C (104F), 10 to 80% RH non-condensing, 1360 BTU/h

**NexLog DX-Series systems can be configured to record from all types of ATM and ATC audio sources, including controller working positions (CWP), voice communication control systems (VCCS), ground radio stations (GRS), ambient audio sources, telephony devices and telephony circuits.**

- **ED-137C/Part 4 Voice Recording:** Active VoIP/RTSP from GRS, VCCS and CWP
- **TDM Voice Recording:** T1 or E1 terminating from VCCS, T1 or E1 passive tap, ISDN-30 or ISDN-PRI passive tap, Digital PBX telephone passive tap
- **Analog Voice Recording:** Records from 600 Ohm and Hi-Z circuits including telephone lines and ambient audio (preamp required), 2-wire or 4-wire (uses 2 channels), 10k Ohm input, 200 to 3400 Hz frequency response, >50dB signal to noise ratio, -60dB crosstalk, fully programmable automatic gain control (AGC)
- **VoIP Telephony Recording:** SIP and H.323 endpoints, SIP Trunks, G.711, G.722, G.729
- **HDD Storage Array Options:** RAID-1 with 1, 2, 4 or 6 Terabytes of Storage. RAID-10 with 2, 4, 8 or 12 Terabytes of Storage. RAID-5 with 3, 6, 12 or 18 Terabytes of Storage.
- **Archive Storage Options:** Single or Dual Blu-ray (supports DVD-RAM), Single or Dual RDX, Single or Dual Removable 1TB HDD, 1TB external USB HDD, USB Flash, 1 to 6 Network Attached Storage (NAS) destinations, Central Archiving
- **Time Synchronization:** Network time protocol (NTP), RS-232, optional IRIG-B
- **Network Interfaces:** Dual Ethernet, 100/1000 Mbps, NIC bonding, add-on NICs

- **Redundant Recording:** NexLog DX-Series units are available in matched pairs for active + active redundancy.



### Optional Accessories:

- Rack cabinets, Displays, KVM switches, UPS systems, GPS clocks, Replay and Reproducer PCs, NAS systems, Quick install kits, Cables, Preamps, Archive media, Spare units, Spare parts kits.
- **Available Eventide Services:** Factory acceptance testing (FAT), Factory staging, Technical training, Engineering, Remote support, SAT, Localization, Extended warranties.

Visit [www.eventidecommunications.com](http://www.eventidecommunications.com) for full product details and the latest information.

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\* Check with Eventide for hybrid (mixed-type) channel capacities, and for pre-sales review of digital telephone, VoIP telephone, and VoIP codec compatibility.



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