

# ASSUREON SECURE ARCHIVE SOLUTION FOR DIGITAL & AUDIO CONTENT FOR LAW ENFORCEMENT

Law enforcement has seen a dramatic increase in evidentiary data with the introduction and implementation of tools such as audio recorders, in-car cameras, drones, mobile phone data, and body-worn cameras. These tools not only expedite trial processes by providing concrete evidence in court, they have also proven to better both civilian and officer behavior during any type of interaction between the two. The added eyes and ears of the cameras and audio recorders have increased trust between both parties, allowing officers to avoid complaints and lawsuits while suspects avoid further charges. The benefits of these tools can be easily seen on both ends, but the associated time and costs of keeping such massive amounts of data is taxing budgets.

Nexsan compliments this digitization by offering storage solutions that deliver easy, fast and secure access to your files throughout their lifecycle.

## ASSUREON DELIVERS

- A secure repository for your high-value digital assets.
- Guaranteed data integrity.
- Chain of custody and evidentiary file proof and audits.
- Security, reliability, affordability, and technical capacity.
- Customizable data retention policies.
- Prohibited data tampering, editing, and copying.

## HOW NEXSAN ASSUREON™ MEETS EVIDENCE STORAGE NEEDS

The Nexsan Assureon secure storage system compliments Evidence Management Software (EMS) as it delivers data integrity, security, tamperproof and chain of custody reporting. Built on unparalleled simplicity of use, these storage systems scale with organizational growth. Manage and consolidate the growth of your digital evidence, and meets Code of Federal Regulations (CFR) and Criminal Justice Information Systems (CJIS) guidelines.

Assureon secure storage systems are very popular in the financial and healthcare industries, federal, state and local government organizations, call centers, video surveillance and organizations with multiple remote offices. This diagram illustrates how Assureon can seamlessly integrate into an EMS system to provide the best in evidence protection.



There is some data that is too important to lose, too private to be seen and too critical to be tampered with. Solve all these problems with Nexsan Assureon.

## ASSUREON FEATURES

- Dual cryptographic hash file fingerprint at source
- Files protected from day one
- Self-healing integrity audit
- Replication ensures file integrity
- Bi-directional replication
- Retention policies prevent accidental or intentional deletion
- Independent Time Stamp for accuracy; prevents time tampering

## LIABILITY & RISK MITIGATION

- Encryption of files at rest
- Encryption over the wire or in flight
- Secure multi-tenancy
- Access audit log
- File authenticity ensured for litigation or compliance
- Self-managing
- Meets or exceeds Codes of Federal Regulations (CFR) 28 and 29 and Criminal Justice Information Systems (CJIS)

## STORAGE OPTIMIZATION

- Free up primary storage capacity and budgets by shortcutting local data
- Automatic Read Failover
- Reduce Backup Window
- High Speed Options



## HIGHLIGHTS

### File Integrity

File Fingerprinting and Write Once Read Many (WORM) assures protection and integrity to the images for the retention period. Automatic audits and self-healing protects from corruption, loss and tampering.

### Data Privacy

Encryption is at the top secret level with AES256. Multi-tenancy gives organizations the option to share a platform and separate and protect their data in their own “vaults.”

### Risk Mitigation

Assureon meets your compliance regulations for CFR 28/29, state guidelines and so much more. Your retention and disposition rules are set based on specific requirements.

### Optimization

Assureon meets regulatory storage requirements and gives your organization a great ROI with cost savings from moving off of primary storage, built in high availability and energy efficiency.

## ASSUREON PROTECTS



### File Integrity

The original file of digital evidence is preserved in a Write Once Read Many (WORM) format and Assureon immediately creates a unique digital fingerprint for both the original file and the associated metadata. In addition each file entering the secure archive is given a unique serial number and secure timestamp. A second (2) exact copy of the file is secured onto a second system at another site. These secure copies are then leveraged to preserve image integrity for the duration of the retention period.

Assureon protects data from corruption, bit rot, loss and incidental or intentional tampering. Assureon does not allow any changes to the files and will detect if any tampering has been attempted. Assureon automatically completes integrity audits to validate all archived data and automatically detects and repairs all discrepancies by restoring the file to the original state from the second exact copy of the original and logging the action. This ensures that every bit of each file is exactly the same as when it was first created and meets the Trusted System requirements.

### DATA Privacy

In addition to the File Integrity aspects of Assureon, there are additional protection features so you can rest assured that the files are further protected with Encryption, both at rest and in flight. Assureon utilizes AES256 which is the same encryption utilized for top secret classified information.

Many organizations need to separate the data from various divisions or offer a shared storage area to include other agencies. Assureon has a built in feature for the separation of data with virtualized tenancy by virtually and physically separating each organization’s file into their own “safe deposit box” within the Assureon vault and each has separate encryption for added security. This enables organizations to offer public or private cloud offerings and share a common infrastructure to minimize expenses but still have the same Assureon protection.

## Customer Scenarios

### City of Bryan, TX

Assureon provides both primary and backup storage for the City's in-car video and body-worn camera program. Assureon also supports file security and integrity with its unique fingerprinting feature, which prevents file history and contents from being changed or altered after the fact. The video program has more than doubled in one year, and Assureon was able to scale seamlessly and cost effectively.

### State Evidence Protection

Assureon saved the day for one state crime lab since the Tier 1 storage provider lost many criminal case files. Fortunately, they were also on the Assureon where six months of case file data were recovered and met evidentiary requirements for court trials.

### Risk Mitigation

Assureon gives you the ability to set your retention guidelines. In addition to meeting the Trusted Standards, Assureon meets other regulations such as FDA, SEC 17A-4, HIPAA/Hitech, CFR28 for Chain of Custody, SOX, GDPR and many more so that organizations can meet or exceed the regulations.

As important as it is to keep the records and protect them during the retention period, it's just as important to dispose of the data in a proper manner to meet requirements. A disposition schedule can be set for automatic deletion based on policy settings. Those can also be overridden with the proper security if needed. With one system you don't have to search multiple systems and backups to assure that all files are properly disposed.

### Optimization

Storage optimization and costs savings are a major benefit to implementing Assureon. The files are off-loaded from the primary storage which has a much higher cost giving your organization a quick return on investment (ROI). In addition, with the replication and exact copy of the data off-site, you have data protection and high availability for disaster recovery purposes.

Assureon utilizes AutoMAID™ for energy efficiency that saves organizations up to 85% of power. AutoMAID's power-saving policies are configurable with five different levels to the LUN level. After a specified period of inactivity, disk heads can be parked; after additional periods of inactivity, disks can be placed into even lower power states by slowing rotation, stopping rotation or powering off all drive electronics. Once the AutoMAID policies are defined, they operate with no need for manual intervention, transparent to applications and users.

## ABOUT NEXSAN

Nexsan® is a global leader in enabling customers to securely store, protect, and manage data. Established in 1999, Nexsan has earned a reputation for delivering the most highly reliable, secure, and cost-effective storage, while always remaining agile in order to continuously deliver purpose-built storage and data management solutions that meet complex and everchanging IT, business, and budgetary requirements. Nexsan's patented technology is ideal for a variety of use cases including Financial, Healthcare and Life Sciences, Government, Military, Law Enforcement, Education, Media and Entertainment, and Call Centers. For further information, please visit: [www.nexsan.com](http://www.nexsan.com).