Surveillance Video Vault

Powered by Oracle, the SoleraTec Surveillance Video Vault™ delivers exceptional video surveillance recording, storage, and management in one complete end-to-end solution. With the stability and robustness only Oracle can deliver, the SoleraTec Video Vault solution provides police departments, transit authorities, critical infrastructure facilities, bank and finance companies, retail establishments, and educational institutions complete peace of mind.
Scalable Combined Solution

When your organization needs an integrated professional video surveillance solution with the ability to save more for less, look at the SoleraTec Surveillance Video Vault solution, powered by Oracle. When you need to capture evidentiary quality video around the clock, this reliable and comprehensive video surveillance solution provides real-time video monitoring and simultaneous recording for larger numbers of surveillance cameras. The live-view function allows staff to quickly view video from the surrounding areas. Long-term retention provides dispute resolution clarifying responsibilities, aids in preventative planning, delivers detailed evidence in crime investigations, and improves risk management.

Providing architecture for each discrete section of an overarching video surveillance infrastructure, the Oracle based SoleraTec Surveillance Video Vault manages the initial capture, live view capabilities, and complete video migration to long-term retention storage.

This Oracle hardware stack in concert with SoleraTec’s Phoenix RSM™ surveillance video management software delivers the most cost-efficient, dependable, scalable multi-tiered solution available without any of the complexity.

Phoenix RSM Video Storage Management

SoleraTec’s Phoenix RSM surveillance video and storage management software delivers ultra-fast search and video playback as well as complete video lifecycle management for the unique retention needs of any size organization. Rest assured that your video is available when you need it.

Security personnel and supervisors can view live and recorded video while investigative personnel conduct specific case reviews while building video playback queues for any recorded video.

The reliability of the Oracle servers, storage, and LTO libraries provide a level of stability and dependability that is required by 24/7/365 non-stop video surveillance operations. Oracle's scalable hardware platform allows for megapixel IP cameras and video retention storage on a “pay-as-you-grow” basis.

Oracle X4®, X5®, and SPARC T5 Servers

Packing the optimal balance of computing power, memory capacity, and I/O capability into a compact and energy-efficient units, Oracle’s Sun X4, X5 and SPARC T5 Server Systems are the most efficient servers for enterprise data centers that run a range of mission critical business applications. These servers are ideal for running video surveillance workloads.

Oracle ZFS® Storage Appliances

Oracle’s ZFS Storage Appliances meet the most demanding enterprise storage requirements while delivering compelling economic advantages. Intelligent storage pool architecture, a feature of Oracle ZFS Storage Appliances, enables significant performance advantages while lowering capital costs. A unique set of management tools reduce time and complexity, lowering operating costs, and simplifying management. The Oracle ZFS Storage Appliances are an enterprise storage system offering extreme performance and efficiency.

Oracle StorageTek® Tape Libraries

Oracle’s StorageTek SL150 and SL3000 modular tape libraries are the first scalable tape libraries designed for growing organizations. Built from Oracle software and StorageTek library technology, it delivers an industry leading combination of ease of use and scalability. Ideal for long-term video surveillance applications, the StorageTek libraries save both time and money, setting the new standard for LTO automation.
How It Works

It’s How You Look At It

Build out your video surveillance infrastructure with the widest selection of camera manufacturers offering high-resolution, high-quality megapixel cameras that provide a superior price/performance ratio and excellent video optics.

Phoenix RSM is the software that provides the overall management of the Oracle powered Surveillance Video Vault system. With the ability to store more frames-per-second, higher resolution, and more days of video, the Surveillance Video Vault delivers fully-managed, affordable, long-term video retention. Its unique low-resolution companion files linked to the securely stored higher-resolution original video builds a video storage system for high quality megapixel cameras that is effortless and easy. SoleraTec’s Phoenix RSM provides operators with the ultra-fast search and video playback that is needed in today’s 24/7 world and enables everyone to see the true value of this combined solution.

Store More For Less

- Higher frame rate
- Higher resolution
- Better image quality
- Longer-term retention
- Less Expensive retention options
- Less Hassle

Video Lifecycle Management

All video is under complete management without diminishing the quality of the original video. The video can be searched, played back, and exported to any desktop client on the network, at any time. SoleraTec’s Phoenix RSM:

- Manages the unaltered high resolution original video
- Creates low-resolution companion video, teamed with the original source video that is stored online, near-line, or offline (at a fraction of the original video size)
- Creates customizable metadata for fast, relevant searches and video review
- Migrates and replicates the original video between primary hard disk-based storage and less expensive secondary storage
- Supports many storage devices across a network—making it a scalable, multi-tiered, affordable, long-term retention solution
- No video loss with complete chain-of-custody
Affordable Cost

This unique combined solution, administered by Phoenix RSM, manages multiple tiers of storage resources and drives down overall costs of a traditional surveillance video storage infrastructure. It captures video on typical hard disk storage, utilizing less capacity than conventionally required, and moves the unaltered original video to less expensive storage such as Oracle’s StorageTek LTO data tape libraries with complete chain-of-custody. When integrating multiple storage tiers to expand video retention, there are significant cost savings in stark contrast to the high price for hard disk only based solutions. The total cost of ownership (TCO) includes the cost of the media, the storage devices, plus any ongoing operational or electrical costs. The ongoing monthly operational expense is significantly lower with this distinctive combined solution. The Cost Comparison graph shows dramatic differences in the cost profiles of traditional hard disk only, Blu-ray, and LTO data tape as retention grows over time. Oracle’s hardware platform takes full advantage of a multi-tiered surveillance video solution delivering a more affordable surveillance video storage solution.

No Risk Over Time

Realistically, the value of any video footage is unknown until it is needed and when it is needed, it is valuable. As noted by the Horison Information Strategies research firm, the “Value of Video Over Time” sine wave depicts this continual fluctuation as opposed to a straight line of value depreciation. To retain any value, surveillance video must be an unaltered, quality representation. For example, to use video in a court of law the chain-of-custody procedures require that it be in its original recorded format. For the best chance of a conviction, it needs to be at 30 frames per second.

The Phoenix RSM video surveillance asset management solution –powered by Oracle– retains surveillance video integrity and maintains original quality over time, all at an affordable cost. It gives you the peace of mind that your video retains its value and your long-term retention needs are affordable for any working environment.