

Video Surveillance Retention Optimized For RDX Storage

Utilizing the removable media capabilities of Imation's RDX technology makes for an ideal video surveillance storage solution. Integrating the RDX storage capabilities with today's multi-stream video feeds from high-quality IP-cameras provides the ability to store a higher resolution video stream on RDX and a lower-resolution video stream on primary storage – or visa-versa. And with complete chain-of-custody.

The scalability, flexibility, and operational cost savings of using integrated multi-tiered storage platforms and multi-stream IP-cameras provide an affordable manageable longer-term video surveillance retention solution. Choose low-resolution video storage on primary or secondary storage and keep the RDX cartridge on the shelf where it consumes no electricity and significantly improves the total cost of ownership for video surveillance retention.

A video surveillance system solution which has been Optimized for RDX consist of 4 key components:

1. Dual stream cameras which allows for "untouched" video to be recorded onto two unique media – thus preserving the chain of command integrity of the video evidence.
2. The SoleraTec Phoenix RSM Video Management Software overseeing the video traffic, tracking the unique video streams and their locations for later recall.
3. The removable media RDX drives from Imation which afford the ability to store and maintain video files for extended, and in some cases permanently, via a secure location in an off-line easily retrievable format.
4. A Network Video Recorder platform which insures the right hardware is in place to handle the video load for the application. From the number of RDX drive bays, to size of the traditional hard drive storage, to the system video processing bandwidth an NVR with integrated Phoenix RSM will insure system performance and overall optimization.



Phoenix RSM Optimized for RDX delivers professional-grade video surveillance management capabilities with the most scalable storage options. Whether you are looking to keep an eye on your home with just a couple of cameras, need to observe your small business with ten cameras, or looking to provide complete video surveillance coverage over your entire organization with 100 cameras, Phoenix RSM Optimized for RDX grows as your needs grow. Complete peace of mind is at the heart of every Phoenix RSM Optimized for RDX solution by allowing you to keep all of your video surveillance recordings.



Phoenix RSM provides advanced video surveillance data management including live video capture and comprehensive video lifecycle management. Focused on the Record, Store, and Manage aspects of a forensics-based video surveillance system, Phoenix RSM delivers ultra-fast search and playback through multi-tiered storage.

RDX media-based removable storage offers rugged, reliable, and convenient storage for all kinds of data assets, especially video assets. It provides enterprise performance and fast access, with transfer rates of up to 650GB/hr and capacities up to 2TB per cartridge.

Using RDX storage hardware with Phoenix RSM video management software provides the customer with “instant gratification” of quickly reviewing video of interest and having a direct access link to the high-resolution original video for use in legal and administrative issues – no matter the time frame.

By combining the best of online storage resources with removable capabilities such as RDX, users can realize longer-term retention periods with greater flexibility. Scalable and Flexible: Decide to keep the low-resolution companion files on primary storage and higher resolution original video on removable RDX cartridges or reverse the concept and keep a much longer retention period of low-resolution companion files on RDX while keeping a short retention cycle of higher-resolution original video files on primary storage. You choose the right structure for your environment.



Complete Overarching Management

Phoenix RSM manages video assets for long-term retention. Compatible with over 325 camera manufacturers and thousands of IP-camera models, the replication and migration of video files to progressively less-expensive storage mediums –such as RDX from Imation– while fully managing the storage location of all video feeds, allows for rapid search and playback of relevant video scenes, regardless of how long ago they were captured.

You choose the best retention policy that is best for your organization and keep the longest retention cycle at the most affordable costs. All while preserving complete chain-of-custody evidentiary video (when used with dual-stream IP-cameras).

Right Market, Right Application, Right Technology

Within the video surveillance market, the need is continually expanding to retain more recorded video. Video feeds from more and more surveillance cameras are putting a load on the overall storage management capabilities of an organization. And the very nature of video surveillance data –large amounts of continuous data feeds– makes removable storage technologies, such as Imation’s RDX, an ideal video storage platform.

Video Retention Characteristics

1. Deliver a multi-tiered video retention architecture for measurably lower TCO
2. Quick search, retrieval, playback, and export of all recorded video content over the network
3. Centralized management of multiple individual recording platforms across various environments
4. Customer defined camera descriptors for individual cameras and cameras groups/pools (Metadata)
5. Generation and management of low resolution companion files for lower network bandwidth requirements
6. Provide ability to incrementally add to any and all areas of the multi-tiered video retention infrastructure
7. Provide ability to repurpose existing camera feeds into new and existing subgroups/pools
8. Provide histograms of detected motion in recorded video
9. Provide ability to Purge recorded video content where no motion is detected



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