

Slash Video Storage Costs And Get Longer Retention – It IS Possible!

Using hard disk only video storage systems —the traditional approach to video surveillance storage— means you are paying way too much, you are sacrificing needed long-term retention, and you are missing out on the highest quality video recording you can attain.

Cozaint's BOBBYvms™ is a powerful, feature-rich, proven video management system. Cozaint's ALICE™ is a scalable, enterprise-class, multi-tiered storage architecture combining NAS hard disk storage **PLUS** LTO data tape storage for the most affordable long-term video retention.

Combine BOBBYvms with ALICE video storage and you have an overarching, economical, scalable, professional video security system.

With a Cozaint video surveillance solution and its scalable storage architecture, you can store high quality video footage for months or even years at a fraction of the cost to that of using a traditional enterprise hard disk only system.

Cozaint's BOBBYvms and ALICE multi-tiered storage solution offers a unique scalable approach, making it a very effective and affordable system to record, store, and manage all of your video surveillance recordings. This optimized, professional grade video surveillance solution provides the most economical long-term retention on the market.

Here's How It Works:

- BOBBYvms: a powerful, full-featured, video management system (VMS);
- Seamless integration to the ALICE multi-tiered video recording system (storage);
- Maintain full management of video assets in online, near-line, and offline storage;
- Migrates unaltered original video between less expensive storage devices;
- No user intervention needed for quick and easy search and playback;
- Supports a failsafe solution for long-term retention;
- Provides cost advantages, managing multiple storage devices in a video repository;

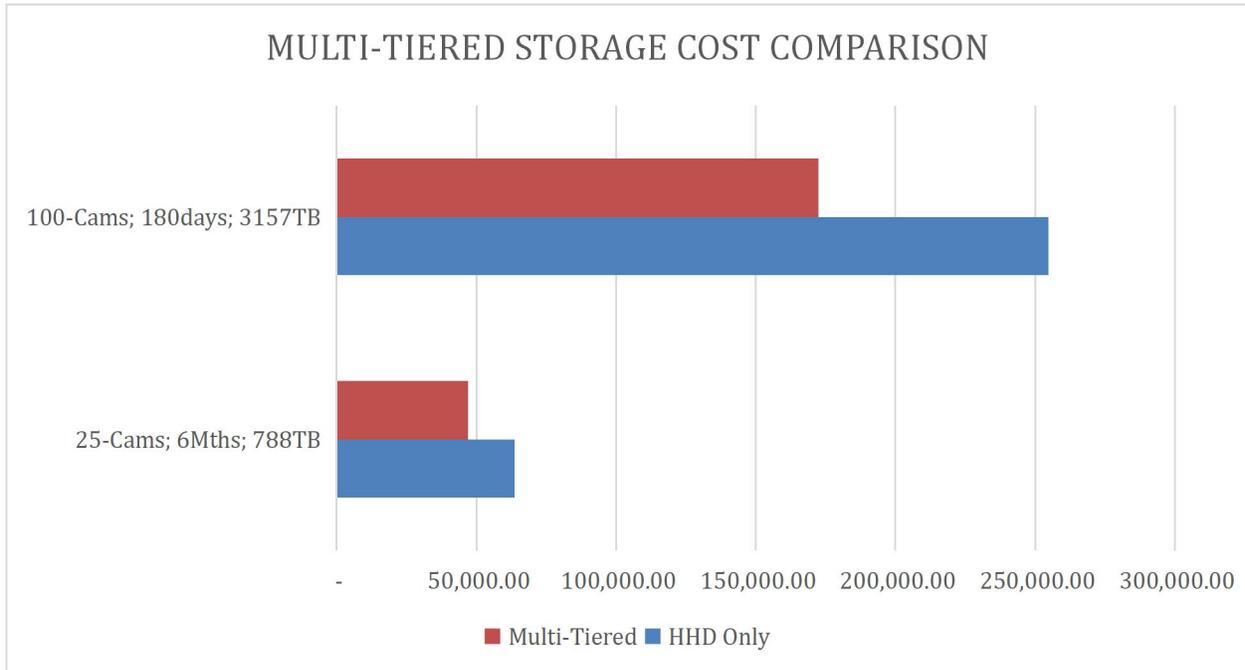
Scalable, Multi-Tiered Video Storage:

BOBBYvms with ALICE multi-tiered storage manages multiple tiers of video storage resources. Our feature-rich VMS captures video on a traditional hard disk drive and then immediately copies the video to less expensive storage devices such as near-line and offline LTO data tape libraries.

When integrating multiple storage tiers to expand video retention there are significant cost savings in stark contrast to the high price for RAIDed hard disk only based solutions. Not only is nearline storage less expensive, but it is more durable and can be kept for years while retaining video quality.

Total Cost of Ownership:

The total cost of ownership is the initial cost of the first-tier of hard disk-based storage, plus the second-tier LTO media, the LTO Library, plus any operational or electrical costs. The Cost Comparison graph shows dramatic differences in the cost profiles of traditional hard disk only and LTO data tape as retention grows over time.



Costs can be mitigated by integrating various storage devices in a multi-tiered storage repository while video retention need grow. Affordable video surveillance infrastructures take into account the long-term retention needs of an organization. Cozaint's video surveillance overarching VMS architecture takes full advantage of a multi-tiered storage solution.

Over time, as retention needs grow, Cozaint's multi-tiered storage costs will only increase at a low-rate compared to traditional video surveillance storage. This is due to the significantly lower cost of needed LTO media to expand video storage capacity.

Cozaint's BOBBYvms and ALICE multi-tiered video surveillance storage delivers the lowest cost of ownership available on the market today.

Let's Detail An Example:

Using the online Western Digital Video Storage Calculator* we looked at 100 Axis M3025-VE 2-megapixel (1080p) IP-cameras recording 24/7 at 30FPS for 6-months and that storage requirement would be 3,157-Terabytes (3.1PB).

The Cost Comparison table shows the cost advantage of Cozaint’s BOBBYvms with ALICE multi-tiered storage over that of traditional hard disk only systems. The comparative equipment costs of 3.1PB of storage are summarized in the table. Notice the 30% savings you get just from the hardware equipment alone (before factoring in power savings).

100 x 2MP, 30FPS, 24/7, 6Mths 3157 TB of Video Storage 3.2PB					
Cost Comparisons: 910TB of Video Storage					
	Street Price	HDD ONLY QTY NEEDED	Multi-Tiered QTY NEEDED	HDD Extended Costs	Multi-Tiered Extended Costs
10TB Hard Disk (US\$) **	\$ 262.00	395		103,490.00	
LTO7 - 6TB Tape Media (US\$)	\$ 59.00		526		31,043.83
Competitive NAS Storage Base Unit RAID 6 0HHD	\$ 6,299.00	9		\$ 56,691.00	
Competitive NAS Storage Expansion Unit RAID 6 0HHD	\$ 3,499.00	27		\$ 94,473.00	
ALICE NAS HDD Storage Server Base Unit 12 Bay RAID6 0HHD	\$ 5,999.00		3		17,997.00
ALICE NAS HDD Storage 12 Bay Expansion Units RAID6	\$ 2,999.00		7		20,993.00
ALICE HDD CACHE Capacity Needed (in TBs)	790				
ALICE LTO7 3U 40 Slot Base Library	\$ 5,499.00		1		5,499.00
ALICE LTO7 -Drive	\$ 3,400.00		2		6,800.00
ALICE LTO7 3U 40 Slot Expansion Module	\$ 4,999.00		18		89,982.00
Total Costs:				254,654.00	172,314.83

The Most Affordable, Scalable Solution for Long-Term Video Retention

Cozaint’s ALICE infrastructure combines multiple storage options designed for optimal performance and the longest, affordable, video retention.

This complete video lifecycle management solution includes long-term retention ***without*** forcing video degradation. Expanding retention with traditional hard disk only systems requires an entirely new disk-based storage unit and additional hard disks –which is a substantial capital expense each time you wish to grow.

By scaling from gigabytes to petabytes, with multi-tiered storage and ability to effortlessly manage online, near-line, and offline media Cozaint’s BOBBYvms and ALICE multi-tiered storage delivers the best total cost of ownership and is the most affordable, scalable video surveillance solution for long-term retention.

- Hard disk cache frontend
- Huge LTO storage capacity
- Non-proprietary LTFS format
- High performance Write
- High performance Read with data recall latency
- Highly scalable
- Low cost (compared with pure HDD storage)