

Sun Fire™ X4500 Video Surveillance Solution

Securing your world



Today's typical enterprise-wide surveillance system is a product of its limitations. In practice, video surveillance architecture is limited by the number of cameras a single server can support due to storage and I/O limitations. It doesn't support clustering servers to simplify the surveillance system architecture across the enterprise. And it generally lacks a centralized interface to enable the multiple recording devices or multiple locations needed to reduce the costs of managing standalone systems. The result is an enterprise surveillance system that is resource-intensive with high overhead costs.

Address, protect, prevent, and recover from security exposures at 1/3 less cost. Sun's video surveillance solution technology permits you to safeguard your environments anywhere, anytime.

Highlights

- Centralized video surveillance management across the enterprise
- Bulletproof platform through clustering, load-balancing, and failover support
- Vast video storage capacity and high bandwidth support 10 times more cameras than traditional analog implementations.
- Enables extended data retention that increases the utilization of captured video
- Reduced costs

Unified, robust surveillance platform

The Sun Fire™ X4500 Video Surveillance solution leverages high-density storage and high-speed data throughput to permit robust surveillance applications and increased numbers of cameras across a distributed infrastructure of servers, databases and networks. This is true sharing and optimization of resources. It provides a highly-scalable video surveillance platform that reduces redundancy of equipment and system management effort while giving you more of the things you want more of: camera coverage, video quality and retention capabilities. The end result is an enterprise-wide, cost-effective, and secure surveillance solution.

The Sun Fire™ X4500 Video Surveillance solution consists of Sun Fire™ X4500 servers, featuring AMD Opteron™ multicore processors, and ipConfigure surveillance software.

Your surveillance data is safe and secure through system-level clustering, load-balancing, and failover support — creating a platform ruggedly designed for 24x7 demands.

High I/O Bandwidth means optimum performance

Surveillance is there for fast action, so you need data and data handling at its fastest too. When we say that the Sun Fire X4500 Video Surveillance solution has fast network-to-disk I/O, we mean it: The X4500 can achieve speeds of up to 1GB/sec to the application and up to 2GB/sec from processor to storage. The Sun Fire X4500, with 48 storage disks in only 4 rack units [4U], delivers unprecedented storage density and provides a longer-term storage window.

The Opteron multicore processors speed queries of recorded data. The system will support ten times more cameras than traditional analog systems deployed today. You employ surveillance to take fast action, and these features give your enterprise surveillance a high-speed right arm.

Longer retention increases utilization potential

Having months, not weeks, of stored video simplifies and expedites data analysis and research that would otherwise be difficult. In comparison to other implementations the Sun Fire Video Surveillance solution also supports increased video recording frame rates and resolutions. It provides longer video retention. And it supports more cameras per server.

Reduced costs. Optimized investment.

Another benefit of the storage density offered by the X4500 server is that you experience significant reduction in overhead costs to manage server hardware, space requirements, and energy demands. Centralized management, a reduced number of servers, and automated storage management drive cost out of your operation and increase the investment dollars you have available for additional cameras.

Today's typical enterprise-wide surveillance system is a product of its limitations. But that's not something to settle for, when you can have the Sun Fire X4500 Video Surveillance solution: the first cost-effective, super-capacity video surveillance solution on the market.

Mitigate risk. Reduce time-to-market.

The solution is now available at the Sun Solution center to allow potential customers, OEMs, and ISVs to test the Sun Fire X4500 Video Surveillance capabilities, and to architect and validate their own end-to-end solutions.

Engage the storage experts

Sun StorageTek service professionals help you address storage challenges by delivering services and solutions that optimize and manage storage performance over the life of your data. Our implementation services address utilization, availability, capability planning and management efficiency, helping you quickly realize the benefits from your investment so you can continue to access the information you need, when you need it. Our consulting and managed services offer clear and simple choices in solutions that address your regulatory concerns, complex storage growth, resource management, and scalability challenges. Covering over 125 countries, Sun's dedicated storage service professionals can help you gain and sustain measurable results with the reliability and flexibility that you require.

Learn More

For more information about the Sun Fire X4500 Video Surveillance solution, please contact your Sun Sales Representative or authorized reseller, or visit sun.com/x4500.

Why Sun?

For more than 20 years, Sun has relentlessly pursued a vision of getting everyone and everything on the planet connected to the network. We have entered an era in network computing in which the business value of being connected has grown exponentially. To help your business realize the competitive advantage and operating efficiencies of this new era, we're tearing down the barriers of cost and complexity traditionally associated with acquiring and managing IT, and replacing them with radical simplicity, predictability, and affordability.