

Case Studies

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Genomics Institute of the Novartis Research Foundation Uses UltraStor RS8 IP-4 on Video Surveillance Due to Its Flexibility, Performance, and Durability

The Challenge

The Genomics Institute of the Novartis Research Foundation (GNF) is a company which discovers new medicines that address most demanding medical need. Lately, Scott Freeman, who is the security coordinator at GNF, was given three months timeline to design a long term storage system for its video surveillance system. Therefore, Scott from GNF got advice from his technical support vendor Nathan Chavez, who works at Alarms Unlimited in San Diego, to try out UltraStor RS8 IP-4 as a solution.

"I was recommended to use UltraStor RS8 IP4 from Enhance Technology due to its flexibility, performance, and durability,"



The Solution:

UltraStor RS8 IP-4 iSCSI SAN Based Security Surveillance

DELL T5400

60x Cameras

- 3.6 Ghz Xeon processor
- 8GB of RAM
- Nvidia Quadro 570 video card



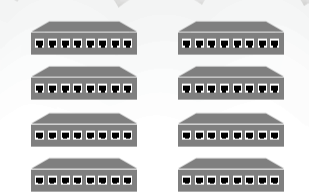
Microsoft iSCSI Initiator



Avigilon Control Center
(High Definition Network Video Management Software)

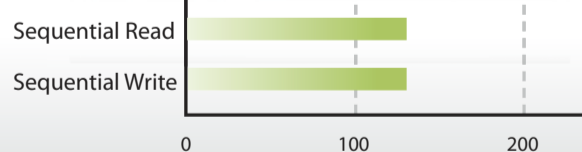


Local Area Network

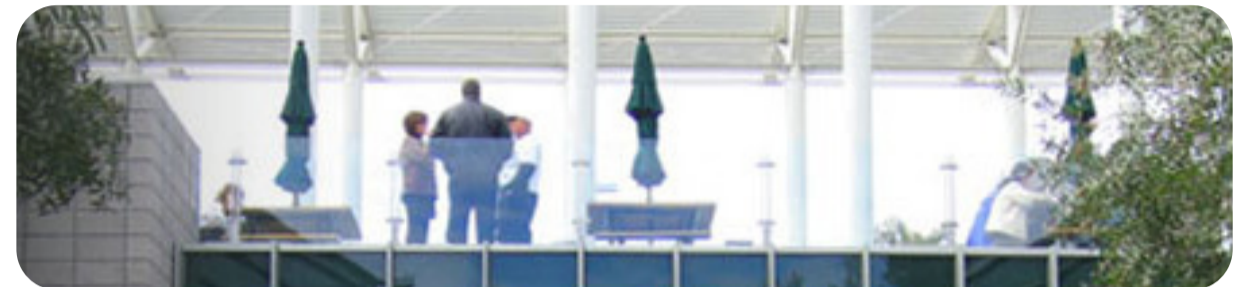


Linksys 8x Port Switches

UltraStor RS8 IP-4



In order to proof the performance of Enhance Technology's UltraStor RS8 IP-4, Scott did some testing. He stated that he ran 60 cameras into the array and stored and recalled videos from it. Then he found out that it has performed even better than was promised. Therefore, when his company GNF sought to upgrade he was going to look to enhance for a solution.

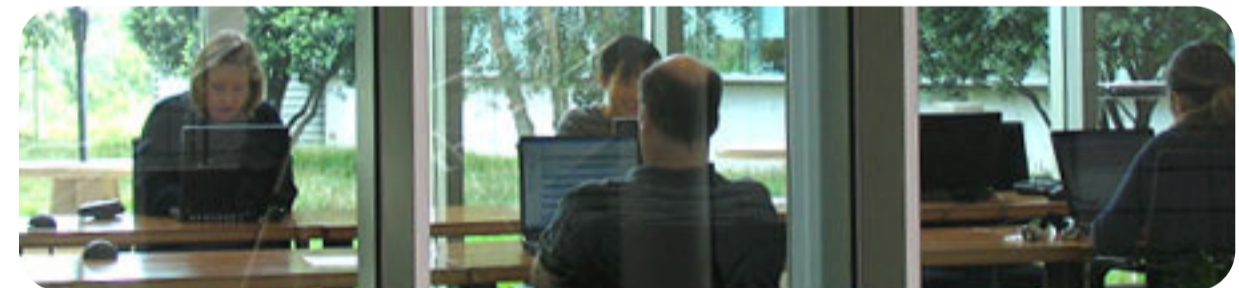


"During the 30 months we have had this array, we have experienced two power surges. No only did I not experience any data loss, the drives rebuilt themselves and kept right on functioning."

"Due to their recording digital video, this array is a high throughput system 24/7. It has never let us down a single time, and it requires almost no maintenance."

Overall, Scott rated his user experience by pointing out UltraStor RS8 IP-4 is better-quality to any other product he has encountered because of its ease of setup, its very reasonably price, durability, and functionality. Scott even uses the storage array to remotely monitor a facility since the camera data is treated as internet data by the Avigilon software.

"It's really quite nice...this has been an outstanding choice," said Scott.



Genomics Institute of the
Novartis Research
Foundation

GNF is founded in 1999 and now with over 560 employees. It is under the umbrella of the Novartis Institute for Biomedical Research (NIBR) and is affiliated with the Novartis Institute

for Developing World Medical Research (NIDWMR). GNF applies integrated state-of-the-art technologies in chemistry, biology, automation, and information sciences to identify new biological processes and disease-relevant mechanisms and develop new therapeutics in a variety of areas, including cancer biology, cardiovascular/metabolism, immunology, respiratory disease, neuroscience and infectious disease.



Exploring new frontiers in science.

About ULTRASTOR™ RS8 IP-4

Enhance Technology is proud to introduce the new RS8 IP-4, designed for high-impact and high-volume network storage environments. The RS8 IP-4 is the new standard for RAID protected storage in the market. Utilizing the high-performance SAS and cost-effective 3Gbps SATA disks, the new RS8 IP-4 offers enterprise-grade RAID storage solution for application that demand nothing short of superior reliability. Advanced features include quad-channel GbE iSCSI interface, high-speed connectivity and RAID volume "Snapshot" provides stability and reliability to the end user for data backup & recovery. The RS8 IP-4 can be configured in minutes and provides a perfect blend of RAID protection and performance, ideal for easy user interface.



Features & Benefits:

- Enterprise-class hybrid Serial ATA-based storage
- Large capacity SAS disk drives/low cost SATA disk drives
- Award winning design & reliability
- 2U modular rack design easily integrates into existing storage infrastructures
- 4x GbE full iSCSI offload with load-balancing & fail-over
- Carrier grade enclosure facilitates regular maintenance
- Easy LCD control, Remote monitoring and RAID management over TCP

