



**Museum Market**

**exacq<sup>®</sup>**  
Technologies



## National Aquarium of Baltimore

**National Aquarium**  
501 E. Pratt St.  
Baltimore, MD 21202

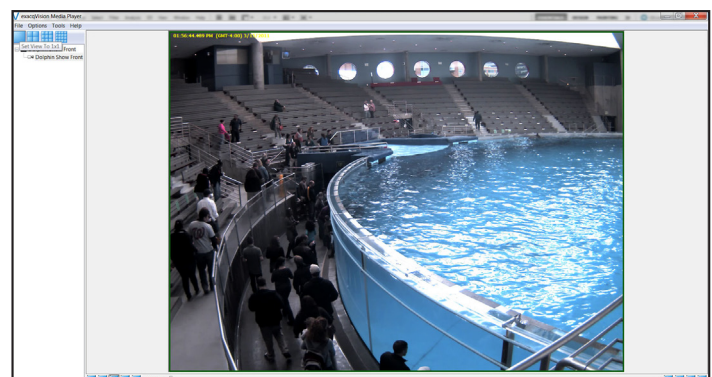
The National Aquarium located in Baltimore, Maryland inspires the conservation of the world's aquatic treasures and educates more than 1.8 million visitors annually. It holds a living collection of more than 16,000 animals from more than 660 species of fish, birds, amphibians, reptiles and mammals. Located in the heart of the Inner Harbor, the National Aquarium is one of the largest and most distinctive facilities of its kind. More than 275 staff and 600 trained volunteers present visitors with eye-opening, behind-the-scenes experiences of the unexplored aquatic wonders throughout the two building, 250,000 square foot facility every day. As the largest paid tourist attraction in Baltimore, the National Aquarium strives to provide a safe environment for its local visitors to learn and explore.



*The National Aquarium is the largest paid tourist attraction in Baltimore.*

The National Aquarium had several PC-based DVRs with video input cards that were consistently failing to record video. After patching the system several times, the National Aquarium's current, homemade system was still not operating properly. Concerns of system failures and visitor safety caused the National Aquarium to find an updated solution to incorporate their existing analog cameras and also add new IP cameras in both buildings to meet their video surveillance needs.

To achieve the desired surveillance system, Earth Security presented the National Aquarium with a significant system upgrade. Exacq Technologies exacqVision hybrid server and video management system (VMS) software solution proved to be the best choice. The cost-effective exacqVision A-Series hybrid server allows the National Aquarium to integrate their existing analog infrastructure.



*exacqVision VMS software monitors high traffic areas like the Aquarium's dolphin show.*

The exacqVision client software was the most flexible and easiest for security, custodial and facilities department staff to operate. The Security Director can easily administer various user privileges to contractors and departments who need access. For example, since the ticket booth is in a separate building, exacqVision enabled the security department to grant permission to the admissions department to run video of the specific ticket area cameras on the computer workstations within that building. This allows the facilities department to quickly monitor the lines and adjust staff accordingly to keep the visitor's wait to a minimum.



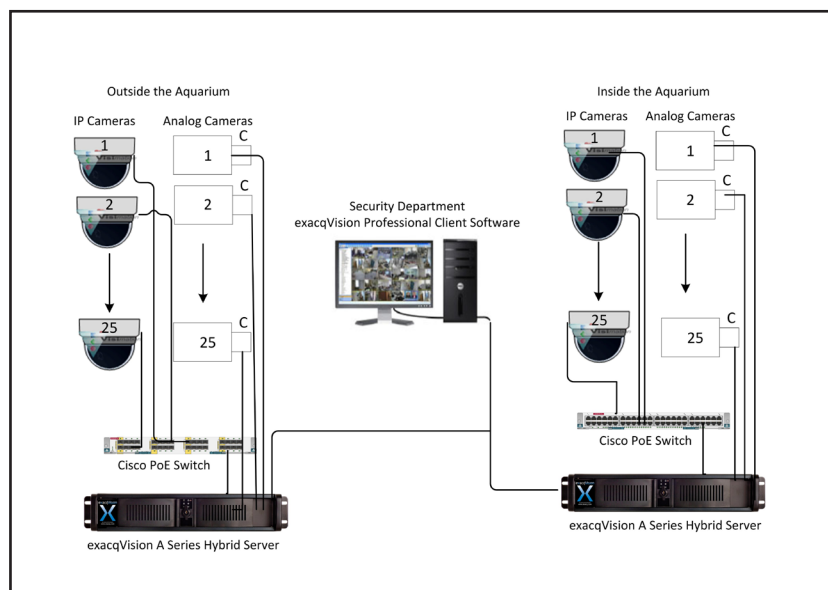
Visitors enjoy the Aquarium's dolphin show.

The security team can monitor the perimeter of the buildings, all four levels of exhibits, points of sale in the gift shop and cafeteria and high traffic areas such as the piers, Gunther Circle, dolphin show and various displays. These areas can be viewed on any computer workstation without being a burden on the network. The combination of cameras and VMS software allow the system to store more video in nearly half the space than stored with the old system.

exacqVision immediately alerts security staff members of any potential emergencies and enables them to quickly respond to any occurrences from water leaks to crowd-control issues.

Beyond protecting visitors and assets, the exacqVision

solution also meets a unique need of monitoring and protecting the safety of the animals. The software shows the animals behavior at night, which is an additional tool for aquarium scientists to use. Staff scientists review the video daily to analyze the aquarium animals habits. With the information in the recorded video, they are able to conduct research and discover new behavior patterns and ways aquatic animals respond to variations in their environment.



### Equipment-At-a-Glance

#### Software:

- exacqVision Enterprise server software

#### Hardware:

- A-Series Hybrid Server: 3208-247-2000R2
- Arecont AV 3155DN
- Axis P3344VE
- Axis P3344
- Axis M3014
- Axis Q6034-E PTZ
- Axis M3114-R
- Axis Q6032-E PTZ
- Pelco PTZ analog cameras

#### Purpose/Benefits:

- Administer various permission levels
- Protect visitors, staff and volunteers
- Utilizes existing analog cameras and incorporates new IP cameras

## Meet the Integrator



[www.earthsecurity.com](http://www.earthsecurity.com)

410-766-1993

Earth Security has been a long-time player in the video surveillance and physical security industry. Utilizing their knowledge and experience, Earth Security provides customized, comprehensive solutions that solve their clients' complex security challenges.



"Not only does the new exacq surveillance solution save money, but also saves valuable time. The exacqVision VMS software runs across multiple workstations and allows me to grant the appropriate departments various permission levels, so we can all work together to ensure all of our visitors, staff and volunteers the safest and most enjoyable environment."

**Anthony Mason**  
**Systems Administrator**  
**National Aquarium**