



# HEALTHCARE SECURITY IMPROVES WITH SYSTEM CHECKS

*3VR develops affordable security solutions for Carolinas HealthCare*

## What were Carolinas HealthCare System's (CHS) challenges?

The largest challenge was building confidence in the integrity of the video surveillance system. Poor video quality, hard drive failures and individual camera failures were routinely discovered when they were needed most to aid security investigators. Secondly, building consensus for solution approval among several departments was a huge obstacle along with finding the right technology and supplier that would invest the time in a long-term relationship.

## What solution did 3VR offer?

3VR P-Series Hybrid NVR units passed two levels of rigorous IT department testing and were approved for deployment with preferred integrator SAF Technologies, a 3VR-certified integrator. A centralized 3VR Enterprise Server provided connectivity to field P-Series units providing command, control and connectivity of video documentation. CHS leveraged their existing serviceable video assets, improved quality of service and established confidence in a "healthy" video surveillance process.

## What were the results?

- Investigations could review video 8 times faster without significant lag or choppiness.
- Reduction of overall investigation time by 40% with intuitive case management tools.
- 99% of key performance indicator "measured availability" of healthy video was met.
- One technology served two security purposes: video surveillance and intrusion alarm functionality through video motion detection.

### IN BRIEF

**Industry:** Healthcare

**Location:** North and South Carolina

**Employees:** 60,000 full and part-time

**Cameras:** 2600+

**Video Recorders:** 175+

**System Integrator:** SAF Technologies

"By replacing their legacy DVRs with hybrid NVRs that support both analog and IP megapixel cameras as well as running VisionPoint VMS, CHS no longer has to question their security systems' reliability. Forensic capabilities are no longer impaired by poor video quality and camera failures. 3VR delivered on CHS's KPI of 'measured availability' by 99%."

— Jim Underwood,  
SVP of Worldwide Sales, 3VR

**Read how CHS used video to focus on their "Patient First" culture» next page**

## 3VR: Designed to Live a “Healthier” Video Lifestyle

Like many large and complex physical security organizations, video surveillance is important for deterring, detecting and documenting criminal or safety events. Wondering if that video information recorded is available and usable when needed keeps security directors awake at night. 3VR delivers with a wide range of selectable critical video health checks that automatically alert security management and/or IT personnel when a camera goes offline or a hard drive is experiencing difficulties. This is important when a critical investigation counts on the availability of quality video or adhering to pharmacy security compliance regulations for two-hour response times.

## 3VR Leverages Installed Video Assets and Quality Improvements

Alan Weeks, CEO of SAF Technologies, focuses his team on delivering high technology security and life safety systems that are exceptionally customer-focused to support the CHS “Patient First” culture. SAF worked closely with 3VR and the CHS IT and Physical Security teams to do just that. The partnership and consensus to implement the 3VR solutions started in 2007 and has stood the test of time to deliver measureable results. SAF Technologies dedicates strong technical support, from bench-testing the new 3VR VisionPoint™ VMS software to rapid response of compliance-driven system service.

To deliver true business value, 3VR and SAF Technologies have been proactive and fully engaged with adapting their solution to the unique needs of the CHS organization. That value is counted in the vast number of hours saved searching video documentation, streamlining case management processes and seamlessly integrating new Axis IP megapixel cameras that deliver more focused field-of-view and quality images for investigators to work with.

## Healthcare Security is On-Demand All the Time

What benefits have delivered the most tangible value to the entire CHS organization over the last six years of migration from legacy DVR to the 3VR Video Intelligence Platform?

- Managing video network traffic, bandwidth and storage intelligently delivers resource allocation discipline for the IT team, reliably gaining streaming security video on-demand for solid prosecutable cases for investigators.
- Delivering on Don Wright’s departmental mantra of “Prove Your Value” to continually improve the physical security contribution to the CHS organization and deliver a safe environment for those who work and visit their facilities really does put the “Patient First.”
- 3VR video analytics will allow CHS to proactively anticipate and track crimes of opportunity and meet the physical security department’s demands for continual security improvement. These feature sets include facial recognition, license plate recognition, advanced motion object tracking and search capabilities.



## Carolinas HealthCare System

- Carolinas Health System has 900 facilities, 791 of which are care facilities, and has over 7,460 licensed beds serving their markets.
- With an annual budget of \$7.7 billion, they are as large as many Fortune 500 companies.
- Leveraged existing analog camera investments while enabling a manageable transition to IP camera technology, delivering improved video quality for their 2600+ camera network.

## SOLUTION COMPONENTS



Over 125+ legacy DVRs were replaced. Over 2600 cameras are now being recorded by 175 3VR P-Series Hybrid NVR systems that are managed by VisionPoint VMS software.

Five new Series 4000 & 5000 NVR systems came on-line in December 2013, which brings next generation processing horsepower and hardware reliability in a cost-effective platform with RAID storage.



The 3VR VisionPoint VMS software is running on a 3VR Enterprise Server that communicates with and manages the configuration of all the 3VR Hybrid NVRs that support both analog and IP megapixel cameras.

**Get Your Free Business Security Assessment Today.**

Contact 877-387-6061 or sales@3VR.com