

**Sony Security
ECU**

Charles Peele
Student Affairs Office of Technology Services
peelec@ecu.edu

**EAST CAROLINA UNIVERSITY STEPS UP CAMPUS SECURITY WITH SONY
IP SECURITY AND SURVEILLANCE CAMERAS**

Monitoring a college campus – with its maze of residence halls, student centers, dining facilities and classrooms – is a complex and challenging task. But East Carolina University is making the task more manageable through the use of Sony IPELA networked IP security cameras.

Over the past year, the university has installed a network of hundreds of Sony security cameras, including the SNC-DF70N and SNC-RX550N models. The video captured by the system is recorded onto the university's numerous NSR-100 network surveillance recorders.

According to Charles Peele, technology consultant with the Student Affairs Office of Technology Services, the school's conversion from analog technology to the IP-based equipment has enabled a range of benefits, including easier monitoring and more intuitive network management.

"Previously, we had a lot of analog cameras and DVRs all running on an independent fiber network," Peele said. "They were run over fiber back to our campus police department and into a matrix switcher. So really the only people who could monitor them were the PD. We did not have the ability to load a client onto someone's machine and let them monitor the cameras in their area."

According to Peele, ECU's goal was to implement effective monitoring and surveillance capabilities across the campus, in very specific locations. For example, residence halls were a priority, to keep track of visitors and residents, as well as administrative and classroom areas.

With the Sony cameras now in place, Peele and his team can now feed signals back to campus security, but, as he described, "depending on where they're located – the cashier's or registrar's office, or admissions – then key people in those departments also have the ability to view them so they can monitor their areas."

"We still have the campus police department monitoring the cameras, but when you have more and more cameras, one or two people cannot effectively watch them. It comes down to: the more eyes that can watch the cameras, the better your chances of either catching something in the act or preventing something from happening."

The benefit of going with the IP technology has allowed the school to easily deploy the cameras while leveraging its current network infrastructure.

"With the software being client-based, you can allow more people to view those cameras," Peele said. "Now, we have that ability. Plus it's more cost-effective to use our campus network as opposed to running a separate fiber network, as we had to do with our analog cameras."

That type of set-up was more expensive, in addition to being harder to maintain.

"You could spend thousands of dollars to have two cameras in a residence hall tied back to the PD where now for just the price of the network drops, it's on our network and comes right back to our PD, plus can be viewed by the residence hall

coordinators, housing administration, or even by volunteer Neighborhood Service Offices.”

Additionally, the IP-based technology can be more easily deployed and repaired.

“With analog cameras, deployed over a large campus, when something stopped working you would have multiple components to test and troubleshoot between the camera and the viewing station,” he said. “There were just so many things to check, with costs for any one of these components running into the thousands. Now, for just the cost of the cameras, they plug into a port on our existing network and it is transmitted along with everything else. Plus, the network’s health and performance is monitored 24-hours a day by our campus Networking Team. Any issues that are detected or reported can easily be tracked down and corrected.”

The SNC-DF70N is a day/night, IP-66 rated minidome network camera in an aluminum die cast rugged housing with high impact resistant polycarbonate clear dome. This camera has both AC24V and Power over Ethernet capability.

The SNC-RX550N incorporates the latest image processing technology to provide multiple compression formats. This technology is combined with a variety of key features for surveillance and remote monitoring, such as Day/Night function, to provide clear images even in low light conditions, Intelligent Motion Detection and Intelligent Object Detection.

Sony’s security group also has a line of network surveillance recorders (NSR) for multi-camera and intelligent solutions. The NSR-100 recorder has a storage capacity of 1 terabyte (or 1000 GB), while the NSR-50 recorder has a storage capacity of 500 GB. The NSR-25 recorder is preconfigured with a storage capacity of 250 GB, and its recording

capacity can be expanded up to 500 GB using the optional NSBK-250 HDD Kit. It can support up to 64 IP cameras, the NSR-50 recorder can support up to 32, and the NSR-25 supports up to 20, providing flexibility and scalability when these units are configured in a security monitoring system.

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