

design and functionality of the housing products, they were able to use indoor versions of the radio. Added Gary Pfeiffer, with VideoIQ, "Indoor equipment in the Dotworkz outdoor housing solution will save money and anguish during the installation."

The icing on the cake for the city of Greer team was the video analytics with object recognition provided by the VideoIQ encoders. Said Ridgill with the city of Greer, "The ability to search all of the cameras for a particular set of criteria was a great tool for us. We had one instance in the park where someone threw toilet paper into the fountain and we were able to get more than 380 hits of various people walking around the fountain and decipher who the culprit was."

The final project, at this stage, includes nearly 60 of the poles mounted with the surveillance solution, with more on the way.

"Selling the project is one thing. Making it happen successfully and fulfilling the customer's expectations is another," added Drake. "And our team, led by Gerald and Marquise, along with the service and support from Scan-Source, worked hard to make that happen."

Diversified's contracted IT System Architect Charles Byrd designed the wireless network and worked closely with Jim Ridgill to integrate all five of the locations of the system into the city's network.

Security is of the utmost importance, but it never detracts from the aesthetic of the park.

When the city administrator first saw the solution implemented and in place, his first words were, "You sure outdid yourselves." Not only was the solution in place to keep visitors to the park safe, but it was created so that those visitors weren't distracted by the ample number of surveillance solutions around the park. A key challenge was to ensure the solution — color, size, placement — didn't detract from the beauty of the park. Overall, inconspicuous is what the team was looking for. And from all accounts, those goals were achieved.



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support multi-user workstations and handle high bandwidth activity such as network servers, printers, VoIP phones and employee time clocks.

Fusion Communications Inc. opted to install an ICC cabling system for both locations, selecting high-performance CAT 5e data connectivity and premise cables. ICC 7-ft. distribution racks were installed and loaded with CAT 5e data patch panels and horizontal cable management. As an ICC Elite Certified Installer, Fusion was able to offer ICC's manufacturer warranty to the customer.

Fusion Communications' systems engineer, Frank Amato, said, "By networking Ware Disposal Co. Inc. locations with Mitel® 3300 ICPs, Mitel NetSolutions® and ICC cabling, we were able to combine voice and data network services in a much more efficient manner. This not only greatly reduced Ware Disposal Co. Inc.'s monthly phone bill, but also has increased their overall operational efficiency, resulting in enhanced customer service."



Misericordia University in Dallas, Pa., is using **JVC Professional Products' V.Networks VN-X235VPU** vandal-resistant megapixel network

PROJECTS in the News

Ware Disposal Co. Inc., which specializes in environmental protection, solid waste and recycling services, needed to network together its two facilities in Fullerton and Santa Ana, Calif. The 25,000-sq.-ft. Fullerton location required 60 voice and data connections in two wiring closets. The 17,000-sq. ft. Santa Ana location required

40 voice and data connections — also in two wiring closets. Both infrastructures

dome cameras and a VR-N1600U 16-channel network video recorder to provide security for its new College of Health Sciences building, which opened in January. The building is nearby, but technically off the main campus. Mark Reboli, Misericordia network telecom and IT security manager, said the parking areas are scenic, but the university wanted to make sure they were safe.

Reboli worked with Paul Murphy, director of safety, and Robert Cragle, associate director of public safety, in the Campus Safety Department to develop the best IP-based video surveillance solution. Misericordia purchased its JVC V.Networks equipment from the Washington, D.C., office of Security Solutions Inc. T.J. Cannon, an integrator based in Pittston, Pa., handled the installation.

There are 10 cameras covering the building's parking lots, as well as key doorways and walkways. With a JVC megapixel camera, which uses a 1/3-in. progressive scan CCD to produce 1.3 megapixel images, officers at Misericordia have sufficient resolution to zoom in on recorded footage later, rather than trying to follow suspicious action live with PTZ cameras. Misericordia also made sure to keep the cameras in plain sight. "The cameras themselves are a deterrent," Reboli noted.

To minimize network traffic, most cameras feed directly to the JVC VR-N1600U, which is outfitted with 1.5 TB of external storage and is housed in the College of Health Sciences building. Reboli said there is a combination of feeds over fiber, coax, and Ethernet cabling, while a few cameras that are mounted on other buildings are tied directly into the campus network.

