

## THE CITY OF NEW ORLEANS POLICE

### WIRELESS BACKHAUL OF VIDEO MONITORING CAMERAS IN AN ALL IP NETWORK.

#### Emergence of Networked Surveillance

Law enforcement agencies have recently turned to cutting-edge communications technologies to be more effective in fighting crime and terrorism. In particular, the latest generation of IP network cameras is inexpensive, easy to deploy, and capable of being remotely monitored and controlled. Further, being IP-based allows such cameras to be easily integrated into a vast array of IP network elements to transport, control, and store the camera images.

#### Broadband Wireless Solution

Since the best locations for these cameras are often inaccessible by wire, wireless backhaul is a key element in deploying a camera surveillance network over a wide area.

There are, however, several challenges for wireless transport:

- ✓ The cameras' high-resolution streaming video requires larger bandwidths than previously required of wireless systems.
- ✓ The systems must be easily deployed in difficult locations.
- ✓ Non line-of-sight (NLOS) links may be required for the best placement of cameras.

#### Solectek SkyWay 5000

To meet the above requirements, New Orleans Police and its solution provider, Active Video Solutions (AVS) chose Solectek SkyWay 5000 multipoint systems. AVS devised a macro/micro cell approach where the cameras and locally networked and each of such small cells is brought to the central monitoring station via Solectek SkyWay 5000 Multipoint System.

Initial macro cells were deployed in high crime areas of New Orleans in October of 2004, using 3 base stations and 20 network cameras. Solectek systems not only provided sufficient bandwidth for high-resolution images, but also added the crucial NLOS capabilities, as most of the camera locations do not have clear LOS. Solectek systems were easily skimming the tops of trees and structures over 1-2 mile link distances.



“Solectek SkyWay 5000 was the best we could find in the market. It offers a unique combination of high capacity bandwidth, ease of deployment and NLOS capability for difficult installation. We have been very successful in integrating their system with our camera solutions.”

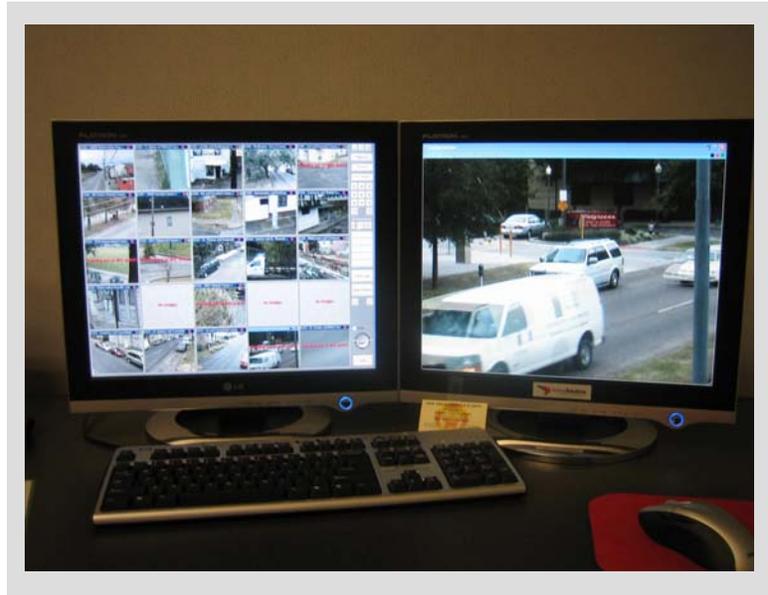
Iggie Perrin, Vice President,  
Active Video Solutions.

## **Customer Benefits**

With this new wireless surveillance system, the New Orleans Police expects to dispatch officers more rapidly to crime scenes, while assessing the situation with camera images. Further, the high-resolution images will allow better identification of suspects and other available evidence for arrests and court cases.

## **Summary**

High-capacity wireless systems are increasingly viewed as an essential ingredient in remote surveillance networks. Such systems have been effectively deployed by law enforcement agencies, military branches, transportation hubs as well as private institutions who value preventive security. The City of New Orleans Police found that Solectek SkyWay systems are perfectly suited to their application.



*Solectek Corporation, headquartered in San Diego, California, designs, manufactures and markets a full line of wireless interconnectivity products. Through technical innovation and steady revenue growth, Solectek has become a recognized leader in the wireless LAN/WAN connectivity market and the industry market leader in wireless bridges. Founded in 1989, Solectek has over 40,000 installations worldwide. The Solectek product line of wireless bridges and routers is the most flexible, reliable and secure in the industry. For more information visit [www.solectek.com](http://www.solectek.com).*

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