



## San Bernardino, CA Installs IVC's Longwatch Security System

### San Bernardino, CA Municipal Water Department

**Location:** San Bernardino, CA

**Water Source:** The Bunker Hill Basin underground aquifer

**Service Area:** 245 square miles, 550 miles of water mains, more than 40,000 service connections

**Population:** San Bernardino has a growing population of over 200,000

San Bernardino is a fast growing metropolis located about one hour east of Los Angeles. It lies in the foothills of the San Bernardino Mountains. It is one of the oldest communities in the state of California, dating back to 1810.

### IVC's Longwatch Helps Protect Water Supply

The need to monitor remote sites against the unwanted presence of intruders is critically important to water suppliers. Suppliers and the communities they serve, are well aware of the strict security measures that have been mandated by the EPA and the Department of Homeland Security. Even when intruders are apprehended and claim no harm was done, precautions must be taken. There have been many situations where communities have been forced to shut down their systems for multiple days to test water for contamination after intruders had been detected. With video surveillance and archiving, operators can review video clips to confirm if any hostile activities took place, saving the community from a costly system shutdown.

"We are always looking for methods to enhance the security of our water supply," explained Joe Gisler, SCADA analyst. "It's no longer acceptable to allow access to individuals that are not part of our operation. We have had some

issues with vandalism that required increasing our visibility of remote locations, especially at our reservoirs. Our people are often at these locations, but not around the clock," said Gisler.

### Video Surveillance, Card Access Control Integrated into SCADA System

IVC's Longwatch software was designed to integrate into existing SCADA systems. System operators can view system and security alarms on the same SCADA screen, including video. The Longwatch system also provides the seamless integration of card access control which provides a second level of security. Operators can view and record each entry into a facility made by card holders for verification. This feature coupled with event-triggered alarms provides water suppliers with an extra level of protection.

"We installed Longwatch at one of our reservoirs. At this particular site we have a building that houses chemicals that we need to protect. We also needed to monitor a hatch door. By installing a card access system on the building and a hatch switch, we have significantly improved our security. We're also impressed with how both systems integrated into our Wonderware system. We now receive system alarms and security alarms on the same system," said Gisler.



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### PTZ Cameras Provide Added Flexibility

The visibility to multiple locations that require surveillance provided by the installation of a single PTZ camera may eliminate the need to install multiple fixed view cameras.

"The Longwatch system provided us the flexibility to install one camera to monitor the hatch door and the building we needed to secure. When an event is triggered the camera automatically focuses on the point of the alarm," said Gisler.

### Video over Existing Communications Network

IVC's Longwatch system can utilize existing SCADA low-bandwidth communication networks to transmit video. Unlike stand-alone security systems that use closed-circuit or broadband networks for video transmission, Longwatch does not require the installation of a new communications network.

"We are utilizing our iNET radios to transmit the video. Not having to install a separate communications line made this project very cost-effective," noted Gisler.

### Easy to Install and Operate

"We're very happy with the system. The installation went well and we expect to expand it over time," commented Gisler.

### About IVC

Based in Newton, MA, IVC delivers a broad range of quality IP-based video systems to industrial, commercial and military applications. Their standards-based software, which delivers quality video to PCs and other client devices over a network, is designed to be scalable and easily integrate with third party software. A key strength of IVC is its ability to develop cameras, enclosures, and software to meet demanding customer requirements.

### For More Information

For more information on how IVC's Longwatch software and broad camera line can help provide faster, more efficient, and cost-effective threat deterrence, detection and response, contact:

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