

## Kadaň Municipal Police. Mobile surveillance system extends arm of law enforcement.



Organization:  
Kadaň Municipal Police

Location:  
Kadaň, Czech Republic

Industry segment:  
City surveillance

Application:  
Safety and security

Axis partner:  
NetRex

### Mission

Kadaň is a picturesque town located in northwest Bohemia, in the Czech Republic. The peace and security of its 18,000 inhabitants is guarded by 26 Municipal Police officers. They are aided in their difficult work by 18 strategically located cameras supervised by 4 operators. In spite of that, the town has certain problem areas. One of them is the recently renovated riverbank promenade, which has experienced some vandalism. The Municipal Police have opted for radical action and started looking for a sophisticated surveillance solution that can be moved to different locations in future as needed.

### Solution

To monitor the playground by the promenade, the Police have chosen a NetRex mobile surveillance set, equipped with a top-class AXIS P1344 IP camera with zoom lens and high-performance infrared backlighting for perfect surveillance even in total darkness.

The system, installed on a street lamp post that provides the power supply, watches the playground from about 50 meters away. Via mobile Internet connection, the recording is continuously saved on remote secure servers; it is duplicated in high quality on the high-capacity SD card inserted in the camera itself.

### Result

The installed camera has significantly reduced acts of vandalism and helped enforce the playground visitor rules. In addition to the Municipal Police operator monitoring the current situation and recordings, there is the invaluable option of the police officer on patrol being able to simply watch the situation in the playground using his mobile phone. Another indisputable benefit is the possibility to move the camera quickly to a different problem area. The only thing it requires is a power supply, for example from a lamp post, because the video transmission is provided by Internet provider. To take the camera down and mount it elsewhere takes only 2 hours.

"The mobility of the surveillance system, the video quality and easy availability for both operators and patrolling officers assist us substantially in protecting our citizens' security and property. The mobile system is a very convenient extension to our existing camera system in the town."

Jaroslav Ölveczki, Deputy Head of Kadaň Municipal Police.

### Guarding property worth 130 million

Special waterbikes, drums, a ferry, swings. This is just a small list of the attractions lining the recently renovated embankment in Kadaň. However, this property, worth a great deal of money, faces vandalism, violations of rules and raids by scrap metal collectors.

Frequent damage to the attractions has led the Municipal Police to set photo traps. Nevertheless, experience has shown the need for a more sophisticated solution that would enable immediate response. The NetRex mobile surveillance system has proven to be a good choice.

"Our mobile sets and services are the perfect solution for live video and recording transmission from sites with limited Internet access," said David Capoušek, director of NetRex. "The fast and easy installation is an advantage," he added. "The system is simply installed where needed and connected to a power supply. It supplies live online video as well as recording within a few minutes."

### Advanced technology that serves and protects

The mobile set, composed of a small locked wiring cabinet, is installed 50 meters away on a street lamp post, which provides the equipment with power supply. At night, the power from the lamp post charges the battery that makes the system operable by day.

The set includes an AXIS P1344 IP camera with a 50 mm Tamron lens. Good video even in total darkness is provided by the high-performance Raytec infrared backlighting with a range of up to 80 meters.

Video from the camera is stored in high quality on the high-capacity SD card and transmitted at lower resolution to the central control room for storage using secure mobile Internet connection. The video is recorded in the central data room for fast searching in the event of an incident.

The proper functioning of the camera is monitored by the NetRex system, which immediately informs the operator of any incidents by means of SMS or e-mail.

### The present and the future

Besides fast access to the live stream and recordings via the web interface, the Kadaň Municipal Police appreciate the ability to directly watch the video from the camera while patrolling, including notifications of any movement in the area at unusual times of day.

The option to install specialized applications for advanced motion detection, license plate recognition or pedestrian counting directly in the camera increases the added value of the system and opens up a wide range of additional uses.

