The district of El Augustino identified the need to improve its security, as having a high concentration of common criminal acts in the streets. Therefore, the project implemented by Netkrom consisted of a wireless video surveillance system that consists of a network security camera formed by three monitoring sites located in strategic areas where the incidents of crime rate are high.

El Agustino is one of the districts of Lima, the capital city. With more than 180,000 inhabitants, this district has a high population concentration, which is evident in the use of the hills and elevations to locate a large number of houses. Located in the central metropolitan area of Lima, El agustino has also one of the lowest standards of living; so much of its population lives in poverty.

These features make the district an area with many insecure spots, where criminal acts occur both day and night. To face this problem and protect their territory, the municipality of El Augustino has begun to strengthen its surveillance system, with the aim to gradually improve the quality of resident’s life in the district.

Thus a monitoring node was established at the headquarters of the Municipality of El Augustino and a node at the Ovalo de la Paz, a strategic point for fighting crime. These nodes command the surveillance system implemented in the district to increase safety.
**PROJECT DESCRIPTION**

To meet the customer requirements, and adapting the service to the characteristics of the district has implemented a surveillance system consisting of cameras that use Netkrom’s MB-ROMB equipment with external grid antenna and ISPAIR CPE 500 with integrated antenna as a means of transmission in the 5GHz license-exempt frequency. In addition, each camera that makes up the network communicates with a equipment of the same features on the secondary node, which hosts the radio receiving video signals from each monitoring point.

For optimal performance of the system, the network uses wireless broadband communication, which supports real-time transmission of all incidents in the monitoring points. It also has a Monitoring and Control Centre which completes the task of monitoring and which has the ability to remotely control each camera system to determine the details of recording incidents.

Netkrom has made available to the client their team of highly qualified engineering professionals to provide telecommunications solutions, designing a flexible, secure and scalable platform, allowing the system to new conditions for the future, so that voice and data transmission services are integrated which it will be possible by the bandwidth implemented in the solution.

**BENEFITS**

- Reduce the number of thefts in places where cameras are located, with a range of approximate 400 meters radius.
- The monitoring network is working in a IP broadband platform for multiple applications.
- The installed wireless platform enables rapid deployment of new cameras and services due to high flexibility and high scalability.
- Have a safe and reliable surveillance system capable to operate 24 hours a day without interruption and in extreme conditions.
- Remote configuration of all devices in the network.
- A communications platform IP-based broadband flexible, ideal for future service integrating voice and data to the headquarters of the municipality.