



REMOTE VIDEO SURVEILLANCE SYSTEM OVER WIRELESS PLATFORM

The district of San Juan de Lurigancho has high traffic areas and active trade, being the most populous district of the capital city, Lima. So has a video surveillance system that allows to provide security in strategic areas. In order to observe the impact of these areas, the cameras located in different parts of the district are controlled with a wireless network that operates in the 5.8 GHz license-free frequency. This network, which incorporates the 2 nodes, which house, every one, an average of 10 cameras, whose images are relayed to a central node, which completes the video surveillance system.

TECHNICAL DETAILS

Client:

Municipality of San Juan de Lurigancho

Location:

District of San Juan de Lurigancho. Region Lima, Peru.

Solution:

Remote Video Surveillance System over Wireless Platform.

WebSite:

www.munisjl.gob.pe

CUSTOMER DESCRIPTION

San Juan de Lurigancho is the most populous district of Lima (according to the latest projections by more than one million inhabitants), so their security requirements are high in order to protect their citizens from criminal acts. This need is included in the municipality's concern to promote comprehensive and sustainable development, from economic prosperity and the provision of public services that meet the needs of residents in the district.

The geography of the district is marked by its location in the northeast of Lima metropolitan area, bounded by the banks of the

Rimac River, as well as elevations and hills that make up a mixed picture for establishing security systems. In fact, it is delimited by the elevations of the Center for Northern Colorado, Cerro Mirador, Thief, Pyramid and Quarrying in the east and the hills Balcony, Black and Babylon to the west.

Given the difficulties that have the characteristics of its territory Netkrom presented to the Municipality of San Juan de Lurigancho a wireless video surveillance solution to completely cover the safety of the district.

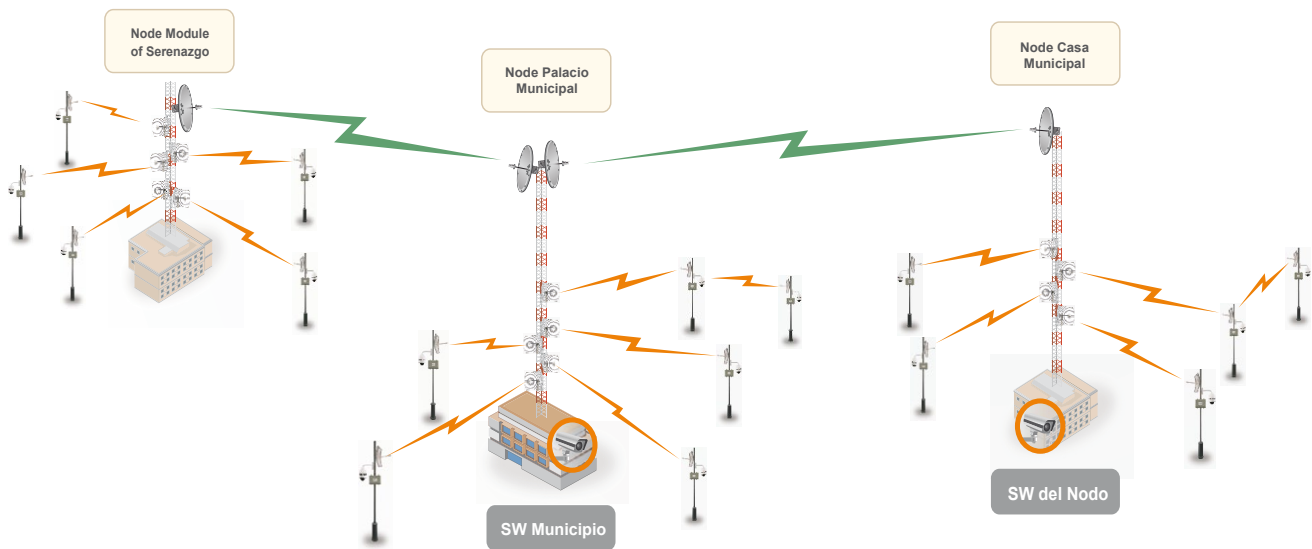
PROJECT DESCRIPTION

The solution provided to the Municipality of San Juan de Lurigancho was the implementation of the equipment that makes up the video surveillance system and its adaptation to specific customer needs. This system uses Netkrom Backhaul Multiband MB-ROMB, which handles several point to point links necessary to structure the network into different segments to maximize the performance of the platform TCP / IP. Because of these characteristics are sought to implement a user-friendly system, network management and control, so the equipments were set up that provide access to the network at Layer 3 of the OSI model.

This need was covered entirely by Netkrom equipments, whose ability to work under this demand was added to the Switch's manageable use of layer 3 at each node, making constant vigilance to be able to view any camera from any node. Thus, by implementing Netkrom Multiband equipments that make up a robust and secure, professional video system implemented for the client meets the requirements of reliability and availability 24 hours a day, with high quality and maximum rate images per second.

Furthermore, the solution allows implementing various video applications, including a review of incidents in conjunction with continuous recording working 24 hours a day, 365 days a year.

Video quality is also assured with the H.264 standard, which is based on the movement and efficient compression techniques can achieve resolutions CIF, 4CIF at 25/30 2CIF and frames per second, thanks to IP video encoding used in Netkrom the service provided.



Municipality of San Juan de Lurigancho
Location:
Latitude: 12° 01' 21"
Longitude: 77° 00' 05"

BENEFITS

- Citizens have the security and confidence to move around the streets of the district without fear of being victims of criminal acts.
- Monitoring, recording and display local and remote simultaneously, unrestricted by geographic location of equipment, thanks to the IP platform.
- Ability to review previous recordings without interrupting real-time recording.
- Remote configuration of all devices in the network.
- Ability to set privileges and access levels for the overall system and individually for each device.
- The wireless network architecture implemented allows you to install safety devices in widely separated locations.