

## Axis for safety at the foot of Mount Etna.

The Municipality of Nicolosi has chosen Axis network cameras for safeguarding its citizens and many tourists.



**Organization:**  
Municipality of Nicolosi

**Location:**  
Nicolosi, Italy

**Industry segment:**  
City surveillance

**Application:**  
Urban safety and security,  
crime prevention

**Axis partners:**  
NETworkLAB, Milestone

### Mission

After repeated episodes of petty crime and vandalism, the Commune of Nicolosi decided to install a video surveillance system to protect its historic city center and the area of greatest tourist attraction. A similar response became necessary for a residential area in rapid expansion and with few residents at home during the day.

### Solution

Through regional co-financing, the historic city center is now video monitored by a digital system composed of eight Axis PTZ cameras, all connected to the same network. The first step in a broader project, the residential area has now been protected by six additional latest-generation fixed cameras, positioned at the access points. Axis was chosen to fulfill this need for greater safety primarily because of the versatility of its cameras, as well as for the reliability of its products.

### Result

The excellent quality of Axis PTZ cameras provides the municipality's data processing center with excellent high-resolution images of the historic city center, both day and night, and without any blind spots due to the possibility of 360° rotation. The cameras installed in the residential neighborhood also provide very high quality images in all lighting conditions thanks to an advanced iris control system.

**“After having worked with Axis for over six years, we had no doubts as to what was the best solution for meeting the requirements of the Municipality of Nicolosi. Axis products are synonymous with reliability, safety and simplicity of installation.”**

Sebastiano Laudani, CEO of NETworkLAB.

The Nicolosi City Council chose Axis Communications to develop a networked video surveillance system capable of controlling and monitoring the historic center of this municipality, which draws a large number of tourists and covers quite a large area, from an altitude of 700 meters up to the Etna crater at 3300 meters. The project ambitiously plans to control a sizeable portion of territory, especially the purely tourist area and the old city center, where the first cameras have been installed pending more widespread implementation.

The video surveillance system installed by NETworkLAB consists of eight Axis PTZ cameras coordinated by IP video management software on a single Milestone server. Operators control the system from a specially provided control room at the data processing center used by the Municipality and Municipal Police, whose officers can remotely connect via tablet, smartphone and other portable devices with which they are equipped.

Selection of the models used was dictated by the need to monitor the areas of the historic city center 24/7, in all conditions of weather and visibility. To meet this need, NETworkLAB chose to install AXIS Q6032-E PTZ Network Cameras, which are particularly easy to position because they do not have external casings. Simplicity of installation is definitely one of their strengths, as is the High Power over Ethernet feature, which enables using just one cable for power and the transmission of video and PTZ commands, rendering the use of additional power cords superfluous.

Among the other features that significantly influenced this choice are, without doubt, the 35x optical and 12x digital zooms, which are capable of providing extraordinary video quality thanks to other features such as progressive scan, 128x wide dynamic range and D1 resolution. In addition, the cameras can be quickly and precisely panned and tilted, and can automatically detect an object and track its movement within the field of view by means of the automatic detection function.

The advantages in terms of territorial control have been seen quite quickly: the deterrent effect has been achieved not only through the location of the cameras in strategic zones, but also due to the high quality of the images captured by the cameras, which in some cases have been published in the local and regional newspapers. The presence of the video surveillance system has therefore strongly discouraged all those forms of vandalism that were starting to occur and that often went unpunished.

The positive experience with this new video surveillance system spurred municipal leaders to increase the number of cameras and areas controlled. In particular, another six AXIS P3346-VE Network Cameras were installed in a rapidly developing residential zone. This model offers high video performance thanks to P-Iris, a new and revolutionary precise iris control system that provides optimal image quality in all lighting conditions.



“We needed a video surveillance system capable of ensuring the safety of our citizens and combating petty crime. The IP solution developed by Axis makes our task of around-the-clock monitoring easier,” says Antonino Borzi, Mayor of Nicolosi.

