

## Keeping a watchful eye on the territory with Axis network cameras.

In Curti, efficient video surveillance is the key to residents' security.



Organization:  
Municipality of Curti

Location:  
Curti, Italy

Industry segment:  
City surveillance

Application:  
Video surveillance in a  
countryside municipality

Axis partner:  
Bitsolution S.r.l.

### Mission

The Italian Municipality of Curti, only 7 km from Caserta, owes its fame to a millennium steeped in history. To protect the artistic heritage, enhance security for residents and improve road conditions, the Municipal Administration decided to implement a video surveillance system on the main streets of the city.

### Solution

The Municipality of Curti commissioned Bitsolution S.r.l., a systems integrator and Axis partner based in Casalnuovo (Naples). After analyzing the area, Bitsolution developed and implemented an ad-hoc video surveillance project.

To avoid the inconvenience of road construction to lay cables required to connect the surveillance cameras, Bitsolution opted for a system linked by wireless technology. 21 Axis network cameras were installed, featuring different models with different features according to the areas to be monitored.

### Result

Thanks to the video surveillance system, everyone who enters or leaves the Municipality of Curti is monitored by Axis network cameras. The recording servers and monitors were installed in the Municipal Police headquarters, and are also directly accessible and viewable by the Carabinieri, the Italian military police force. In addition, the system guarantees timely interventions by law enforcement whenever necessary, coordinated from the video surveillance operations center.

"Thanks to the high image resolution of Axis network cameras and the reliability of the Bitc@m software, a major leap forward in the security of residents has been achieved."

Dr. Antonio Raiano – Director of Security for the Municipality of Curti.

### **Municipal video surveillance against acts of vandalism, petty crime and traffic problems**

The Municipality of Curti decided to install a video surveillance system for its residents. The system involved the installation of surveillance cameras along the city's main roads, with the aim of recording any acts of vandalism and criminal incidents and intervening in real time. When immediate intervention is not possible, the system enables the identification of perpetrators with the aid of the recorded video images.

Along the main roads and intersections, five AXIS 232D+ featuring guard tour were installed. These network cameras are capable of recording very high-quality color images in Motion JPEG and MPEG-4 formats under all lighting conditions, thanks to an 18x optical zoom, an autofocus lens and a removable IR filter. The AXIS 232D+ model can be used in 50 preset positions or in continuous track for guard tours. In addition, the operator can easily track objects of interest with fast and high-precision 360-degree PTZ control using a joystick.

To monitor the cemetery, the nature reserve, the flyover with high traffic density and all other zones subject to acts of vandalism, Bitsolution selected the AXIS 233D Network Dome Camera with auto-tracking, which permits the automatic recording of moving people or objects, following them until the limit of the camera's coverage.

In the area of the railway underpass, which is subject to acts of petty crime, one AXIS 233D and four AXIS 211 Network Cameras were installed with tamper-resistant housings.

Finally, in various areas of Curti, ten AXIS 223M Network Cameras were installed. These are high-performance cameras with a resolution of 2.0 megapixels, capable of recording images with very rich details that allow easy identification of objects and people. This is the ideal camera for video surveillance of sensitive areas. In addition, its support for bidirectional audio allows law enforcement to watch over remote areas even with sound support.

The video surveillance system in Curti uses two recording servers managed using Bitc@m software. The video clients installed at the police headquarters and at the Carabinieri station allow the viewing of high-resolution live images at a frame rate of at least 20 frames per second per camera. The workstations are equipped with an AXIS 295 Video Surveillance Joystick, for pan/tilt/zoom, and two 32" LCD monitors for viewing.

The Bitc@m software, developed entirely in Italy by Bitsolution, is capable of displaying and recording video images arriving from IP and analog cameras with continuous recording even at megapixel resolutions, according to a time schedule, on alarms from sensors and/or motion detection, disruption, audio threshold, tracking, trespassing. The cataloging of images is managed by following the pattern hours/minutes/seconds, with the ability to schedule the recordings in a programmed way and/or on alarms. There are no limits on the image archives (except for available hard drive space). The system automatically rotates and deletes the oldest recordings. The recording is completely independent of human intervention, in contrast to analog systems where it is necessary to have an operator to change the cassette.

"The needs of the Municipality to entrust the video surveillance of the territory to the authorities have been fully met by installing video surveillance client workstations in the police headquarters of Curti," explained Igino Faiella, Police Chief of the Municipality of Curti.



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