Enhanced security for Ciugud Town Hall, in Alba County, Romania.

Efficient surveillance, 24/7 service, only with Axis solutions.

Organization:
Ciugud Townhall, Alba County

Location:
Alba, Romania

Industry segment:
Government

Application:
Safety and security

Axis partner:
Xerom Service

Mission

Located on the Transylvania Plateau, on the Alba Iulia – Turda – Cluj-Napoca lane, Ciugud is one of the Romanian townships with the highest degree of European funds absorption. In the last years, the community managed to access over 16 million euros. Ciugud Township consists of six villages, (Ciugud, Limba, Seusa, Drambar, Teleac and Hapria) and has a population of 2,664 inhabitants, calculated at the last census. It is a predominantly hilly area, suitable for grazing, grapes and fruit trees. There is also an agricultural area suitable for potatoes, vegetables, herbs and crops.

Solution

In order to oversee the entire perimeter, both indoor and outdoor, a security system composed of several Axis network surveillance cameras and workstations dedicated for recording and video management were installed. For outdoor needs, bullet type cameras were used.

The units contain built-in IR illuminators, and are able to handle a high variation of temperatures (between -30° and +50° C). For indoor spaces, several fixed cameras were installed, models capable of offering detailed images that can lead in case of need to facial identification.

Result

The implementation generated a high level of security but also streamlined activities inside the town hall. Thus, by using the surveillance system, staff can easily identify busy time slots and allocate more people. Also, real-time images made it possible to analyse how crowded the hallways are, in order to reallocate human resources to the busiest offices.

AXIS COMMUNICATIONS

> **"Axis' security solution has managed to respond to all our requests. Now, city hall employees can streamline their workflow by analyzing the video streams. Also, the video cameras are helping by increasing the security level of the employees, institution and the fixed assets."**
>
> Damian Gheorghe, Mayor of Ciugud.

Improving traffic, security and workload

Ciugud is 9km away from the city of Alba Iulia. The administrative territory covers an area of 4.376,98 hectares, of which 3,182 is agriculture land. The village is known at a national level because of its history; the first signs of human presence in this region have been dated in the Neolithic era. During the archaeological excavations that were done between 1978~1987 in Ciugud, one of the largest fortified settlements in Romania was found.

Being a relatively small township, but with a stellar performance, the management decided to take action and increase the safety of the citizens and the efficiency of the township employees and also to protect the city hall. Being visited daily by a large number of people, the city hall employees have numerous times been in the situation of not being able to effectively manage all citizens present for an audience. This kind of situation leads to misunderstandings which can turn to verbal or physical aggressions. To avoid this kind of incident, the town hall representatives decided to implement a professional video surveillance solution, remotely accessible. With it, all the activities inside, and outside the building, can be recorded and analysed in order to improve the traffic, security and workload.

In order to increase the security level and streamline the administrative activities of the institution, the Ciugud town hall representatives opted for a surveillance solution consisting of Axis network cameras and a recording / monitoring workstation.

For monitoring the access routes and the outdoor perimeter, five AXIS P1425-LE Network Cameras were used. These cameras were selected for their ability to provide high-quality images in any lighting conditions and because they function at various temperatures (ranging between -30° and 50° C).

Saving bandwidth

This model also integrates Zipstream technology, which analyzes and optimizes the video stream in real time. Scenes containing interesting details are recorded in full image quality and resolution while other areas are filtered out, to optimally use available bandwidth and storage. Important forensic details like faces, tattoos or license plates are isolated and preserved, while irrelevant areas such as white walls, lawns and vegetation are removed by smoothing in order to achieve better storage savings.

For indoor surveillance, three AXIS P1354 Network cameras were chosen. These units use Lightfinder technology and are able to offer clear images even in low lightning conditions. The video streams generated by the cameras are processed and stored by an AXIS S1016 Recorder. This unit integrates a series of software that are dedicated for video surveillance and can handle up to 24 video channels. It was selected especially because it is fully compatible with other security systems and has an easy-to-use interface. Because of this last function, the process of setting it up and the video analysis process is done rapidly and intuitively. The system is programmed to send e-mail notifications when security incidents are detected.

Conclusion

Being pleased by the performance of the Axis surveillance system, the client wants to start a new project in 2017 that will involve overseeing the major village intersections. Thanks to the Axis video surveillance solution, Ciugud town hall has managed to optimize traffic and workflow inside the institution and has also identified busy time frames, when more employees are needed.

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