

Seongbuk District Office improves child safety with Axis surveillance solution.

Monitoring effectiveness of children's safety zone with Axis HDTV network cameras.



Organization:
Seongbuk District Office

Location:
Seongbuk District,
Seoul, South Korea

Industry segment:
City Surveillance

Application:
Safety and security,
anti-theft surveillance,
remote monitoring

Axis partner:
Y Information

Mission

The Seongbuk District Office has been cited as the best district in education support projects for two years in a row since 2008. The program to install video surveillance in elementary schools and surrounding areas where children walk to and from school has been one of these projects. It has won praise by reducing traffic-related accidents and school violence incidents. As more and more cases of child molestation, kidnapping, and other criminal acts against children are reported, parents are asking for more effective prevention measures. To protect children and make parents feel safe in sending their children to school, the Seongbuk District Office needed a high-performance network camera solution that ensured more effective management of campus safety.

Solution

What the Seongbuk District Office cared about most in the latest project was the camera's resolution. The analog cameras the office had installed in the previous project had a resolution of 410,000 pixels; too low to be useful for analysis purposes.

The old system had another problem in that it was not so easy to repair when any of the devices malfunctioned. The decision makers in the office ultimately came up with a plan to improve surveillance effectiveness by introducing HDTV-class, high-quality network cameras.

Result

To that end, Axis partner Y Information, designed and installed megapixel high-definition AXIS P5534-E and AXIS P1344, a significant step up from the analog camera's resolution. The Seongbuk District Office was the first local government to introduce the HDTV-class 360°-rotating pan/tilt/zoom (PTZ) cameras. Thanks to this ambitious investment, the district office enhanced surveillance effectiveness within the children's protection zone. In addition, it built the infrastructure for future integrated surveillance projects by adopting the ONVIF (Open Network Video Interface Forum)-certified Axis network cameras.

"The Seongbuk District Office recently installed Axis HDTV-class megapixel PTZ network cameras within the campus and near elementary schools, the first occasion to do so among local-level governments. Through this measure, the children in our district are able to walk to and from school without fear and parents have greater peace of mind. Through the deployment of the state-of-the-art Axis system, we have reduced the incidence of repair and maintenance and expect to take advantage of the system's scalability in future expansions."

Seongbuk District Office.

Children's safety assured with real-time surveillance

The Seongbuk District Office improved children's safety in school and the surrounding areas by installing high-definition cameras. Until recently, the analog cameras had provided a low-resolution image quality that made it impossible to recognize human facial features. Given that commercially available personal digital cameras offer 2-3 million pixels of resolution, this was more than adequate.

In contrast, the AXIS P5534 Network Camera has excellent HDTV-class picture quality and 18X optical zoom. The PTZ camera boasts the 12X auto-focus digital zoom feature in addition to the 18X optical zoom. With the proprietary auto-flip feature, the PTZ camera is capable of rotating 360 degrees. Via these features, the personnel in the control room can track a suspect continuously and analyze any suspicious image in vivid detail.

A police station within the district has arrested a burglar who had broken into more than 30 elementary schools in Seoul and other cities on the strength of the incriminating video images. The perpetrator was caught on the camera as he walked out of a school with a shopping bag full of stolen goods.

An official at the district office said, "We had been using the analog cameras connected in a network. But their picture quality was too low to be effective in catching criminals. So we considered image resolution as the most important yardstick for choosing a new system. We ended up selecting the Axis solution system because it was the best in terms of reliability and durability."

High management efficiency and future scalability

The latest deployment of the Axis network solution allowed the Seongbuk District Office to integrate all the monitored images for surveillance and reduce the incidence of regular maintenance and repairs. In the rare event of a system malfunction, repair is easier because of the system log. With local partners, Axis offers a three-year warranty for clients' peace of mind.

There is another important reason for the district office to choose Axis over other solutions: scalability for future additions to the system. It is expected that this will save the district office the total cost of ownership.

The Seongbuk District Office plans to expand the camera installation program to other zones because child protection against risky elements is one of the most important central government policies.

