Hanwha Techwin establishes Integrated Security System for a large Apartment Complex

· Customer : Hillstate Apartment 1st Complex
· Location : Samsung-dong, Seoul
· Vertical : Residence

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- Heo Young-sik, Security Manager, Hillstate Apartment 1st Complex Security Manager

Challenge

Located in Samsung-dong of Seoul's Gangnam District, Hillstate Apartments 1st Complex comprises 17 buildings with 1,114 housing units, which vary in area from 26 to 114㎡. Residents first began to move into this complex in January 2009 to enjoy the convenience of the various amenities nearby, including schools, large shopping mall, and government offices. To respond to the growing importance of security and safety for the complex and prevent crimes and disasters, it was decided in 2015 that a new network camera system would be installed to improve the video quality of the existing analog CCTV and to integrate the cameras with the security system. One of the key issues in installation was to save time and money by making use of the existing coaxial cables for the old analog cameras as much as possible.

Solution

In May 2015, Hanwha Techwin was selected to install 503 security device units, including a Full HD Network Cameras and storage devices, to replace the existing low-resolution cameras and to establish a security system that can interface with the infrared security sensors installed on outside wall surface of the lower floors of the apartment buildings. To ensure the safety of the residents twenty-four hours a day, Hanwha Techwin also installed the SNO-6011R, which is capable of providing a high resolution image and IR detection. The new system further reinforced security by interfacing with the infrared security sensors to trigger an event alarm in the

event of trespassing. The roofs were installed with SNB-6004 network cameras that can track vehicle movements across the entire complex. This enables the management to respond effectively to any accidents, earning positive feedback from the residents. SNO-6084R network IR cameras were also installed in dark and confined spaces like elevators and basement parking lots to ensure close monitoring. All cameras installed in the complex were also linked to Hanwha Techwin's integrated management software (SSM), allowing remote access to live and recorded images and enhancing monitoring and searching efficiency.

Result

Hanwha Techwin utilized network transmitters and receivers to fully use the existing coaxial cables. This cut costs and installation time, thus minimizing the requirements to modify the existing facilities. This new system was organized into groups to distribute load during operation, which minimized system failure and facilitated maintenance and repair.
"I'm very satisfied as [the new security system] not only tracks the overall foot and vehicle traffic in the complex, but also allows you to monitor all the areas through a high-definition feed," Heo, Young-sik, Security Manager at the complex said. He also added that "The event alarm feature makes us able to respond promptly, which has increased the residents' level of satisfaction and trust."

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Security reinforcement for lower floors

In partnership with SeeEyes, Hanwha Techwin established an intrusion detection and alarm monitoring system on the lower floors of the apartment as a crime-prevention solution. The system utilizes the network cameras installed along the complex perimeter. It also links with infrared security sensors to monitor any trespassing attempts and remotely provide notifications about any events. The previous system was only equipped with security sensors, so security managers needed to check the scene in person when an alarm was triggered. The new system is linked with Hanwha Techwin's network cameras to provide a real-time, high resolution images to the integrated security control center. This allows security personnel to remotely check and immediately respond from the security center.

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