Sokcho Coast Guard fills security gap with Axis network cameras.
Intelligent dome network camera enhances security and deterrence efficiency.

Organization:
Sokcho Coast Guard

Location:
Sokcho, Gangwon-do, South Korea

Industry segment:
Government

Application:
Safety and security, and remote monitoring of ports

Axis partner:
Power Technology Co., Ltd.

Mission

With the Ministry of National Defense progressively downsizing alternative service workers, the port areas of Sokcho, which had previously been guarded by alternative service workers, were faced with security concerns. Accordingly, the Sokcho Coast Guard planned to establish a more efficient security system to maintain its responsiveness to marine accidents. The agency also intended to set up a security management system that could help reduce the number of incidents in accident-prone areas including major tourist attractions. The security management system to be established was planned with the end in view of preventing accidents by warning tourists and helping them evacuate safely when attempting to approach risky areas, i.e. a bulwark or a rock on the seashore, or when an emergency such as a drastic change of weather appears imminent. In addition, Sokcho wanted to install a vessel access control and monitoring system to be able to respond flexibly to the increase in the number of users of cruise ships, excursion ships, and fishing boats.

Solution

Sokcho Coast Guard had already implemented an upgraded security system reinforced by network cameras supplied by Power Technology and Axis Communications in 2008. Having confirmed the quality of its partners' products through this successful upgrade, Sokcho thought it was only natural to integrate the existing system into a new one with the help of its partners. Sokcho Coast Guard now has 8 channels in the Axis network camera system including 4 existing channels, with the goal of enhancing security surveillance efficiency. The cameras offer outstanding image quality and easy-to-use interfaces to minimize the dead zone of surveillance and keep track of the condition of certain areas through remote monitoring from the central control room.

AXIS
COMMUNICATIONS

"The Axis security systems installed throughout major ports in this area have greatly helped fill the gap in security caused by the lack of resources and enhanced our efficiency by allowing us to integrate all our systems wirelessly."

Sokcho Coast Guard official.

Result

Having installed AXIS 233D Network Dome Cameras in crime-prone areas in major ports, Sokcho Coast Guard has successfully filled the gap in security caused by the phase-out of the alternative service thanks to the new system's superior image quality and pan/tilt function, which provides a detailed view of the faces of individuals and enables fast movement to any desired area. In addition to its excellent security function, AXIS 233D had helped realize highly efficient vessel access control as a major duty of the Coast Guard. With its 35x zoom and clear, real-time image capabilities, the camera allows a monitoring agent to have a clear picture of the area concerned, manage vessel entries with ease, prevent crimes at sea, and collect crime evidence.

Network dome camera efficiently covers large areas

The branch offices of the Coast Guard usually have 1 head officer and 2~3 auxiliary policemen. This was not enough security resources since these officers had to patrol their assigned areas frequently and handle affairs at the office. In addition, the Ministry of National Defense adopted a plan to reduce the size of auxiliary police. There was growing concern over the shortage of security resources as well. To overcome this difficulty, the Sokcho Coast Guard planned to establish a more efficient and comprehensive security system.

Port areas are often spacious; they are also located along the coast, thereby making monitoring with a standard-type surveillance camera difficult. Therefore, a speed dome camera with wide coverage can make surveillance more efficient. Since laying cables at and around ports is impossible, the system was wirelessly set up by the Coast Guard. The network cameras are easily connected to broadcasting equipment and other devices as well, and controlled through a wireless network; they are also used for broadcasting. This function allows security resources to warn tourists approaching a dangerous area or help people evacuate; thus considerably enhancing management efficiency.

Intelligence for future integration and efficient recording and operation

Sokcho's security system has a preset function called Sequence Mode, which allows security resources to monitor assigned areas for a set period of time so as to secure images of the widest possible aea. In addition, it has intelligent functions such as motion detection and auto-tracking and automatically focuses monitoring on a contingency. This helps reduce the time required for monitoring, thereby empowering just one officer at one point to maintain security over the territory concerned.

Remotely controlled and adjusted, this security system minimizes the need for patrols; thus significantly lowering the workload of security workers. "Before, we had to handle too many responsibilities including crime control at and around ports and access control for over 1,000 vessels a day. Now, however, the workload of frontline police stations has been reduced by half; the level of concentration on the part of our resources increased considerably as well," a representative from the Sokcho Coast Guard stated.

Sokcho plans to increase its use of the Axis security system. It also seeks to integrate the entire system to be able to monitor all areas from the central control room. According to Manager Lee Ki-seung of Power Technology Co., Ltd., as the leader of this security system upgrade project, the company configured all the components to facilitate future system integration since Sokcho Coast Guard may decide to have an integrated monitoring system in place. "Axis network cameras are highly compatible with other devices, and they will eventually enhance the work efficiency of the Coast Guard," he said.