

Excellence in security assured with professionalism and high quality.

Axis network cameras help with first phase of Ningbo Subway's #1 Open to Traffic program.



Organization:
Ningbo Rail Transit Group Co., Ltd.

Location:
Ningbo, Zhejiang, China

Industry segment:
Transportation

Application:
Subway safety and security

Axis partner:
Shanghai Vitlon Intelligent Technology

Mission

Ningbo Rail Transit's first phase of Subway #1 starts from Gaoqiao West Station and ends at East Ring South Road Station. It is 20.8 km in length, including a 5.45 km elevated line, 0.31 km bridges and U-shaped channels, and 15.118 km underground line, along with 15 underground stations and 5 elevated stations with an interval of 1.14 km.

The video surveillance installations at all stations would be connected to the public security bureaus and police stations, and intended to provide the capabilities for efficient security management, immediate response in case of incidents, and timely interactions among the agencies concerned, thus allowing for instant identification, response and handling.

Solution

The Subway #1 project included a variety of Axis network cameras, covering the different needs of the large scale subway train network. Features such as high performance and light sensitivity were key for providing the ability to monitor critical areas of the subway.

Result

Ningbo Rail Transit benefits from a system that is easy to manage and uses less bandwidth than the previous system. The outstanding camera performances keep maintenance at a minimum and enhance the overall security for all subway stations.

“Axis helps keep Ningbo’s Subway #1 open to traffic with outstanding video images.”

Luo Ji, vice general manager of Rail Transition at Zhejiang Supcon Information Co., Ltd.

20,000 km subway train network with maximum security

The first phase of Subway #1, a project of Ningbo Rail Transit, included over 20' km of subway train network, with bridges, U-shaped channels and underground line giving the project a certain challenge.

Due to the importance of this project, its video surveillance system was expected to adopt devices from renowned international brand names and the installation would be connected to public security bureaus and police stations enabling maximum security throughout the subway system by instant identification, reduced response time and enhanced interactions between the agencies concerned.

Features for all conditions

347 HDTV 720P AXIS P1354 Network Cameras were installed, featuring high performance and light sensitivity, providing the ability to monitor critical areas of the subway.

The day-and-night AXIS P1354 Network Camera is a fixed network camera, delivering excellent H.264 performance in a robust design. While superb HDTV video quality is provided with progressive scan in multiple individual H.264 streams, as well as Motion JPEG streams, it effectively reduces the bandwidth requirements, video transmission and storage pressure.

The focus assistant, remote back focus and pixel counter features simplify installation. This allows for reduced complexities, improved efficiencies and scheduled progress of this important project. Further, AXIS P1354 integrates Axis' Lightfinder technology. The outstanding light sensitivity, with maintained colors even in very poor lighting conditions, is obtained by a combination of Axis' expertise in image processing, system-on-chip development and selection of the best optical components. Whether it is day or night, AXIS P1354 offers excellent image quality in dynamic lighting conditions, making sure that security is provided at all stations.

Stable operations in demanding environment

During the process of project implementation, the camera vendor was seldom required to dispatch its engineers for technical support in the field, which fully indicates that Axis cameras are easy to install and use.

The design of these cameras simplified their installation and configuration in the project implementation, which the technicians were able to accomplish independently after simple training; further, with outstanding performance, these cameras featured stable operation and reduced maintenance in the demanding environment, ensuring maximum security of all subway stations.

In addition, open and standard protocols allowed for these cameras to integrate with the system platform successfully and steadily, significantly streamlining the follow-up operation and management and improving productivity.

