

Nanning Railway Bureau uses Axis Lightfinder technology. Nanning Railway Bureau upgrades surveillance system with Axis Lightfinder.



Organization:
Nanning Railway Public
Security Bureau

Location:
Nanning, China

Industry segment:
Transportation

Application:
Rail station security,
management control
systems

Axis partner:
Guangxi Xin Min
Network Technology Co.

Mission

Nanning Railway Bureau needs a video surveillance system to manage security related issues in a variation of dark locations. The Police Department and the Public Security Bureau are required to keep track of time data to be able to gather the latest information in a timely manner. It is therefore necessary for each installed video to be managed from a central station.

Solution

When upgrading the surveillance system, it is possible for Nanning Railway Bureau to monitor the inbound and outbound occurrences in real time as well as dark areas such as inside a bus station. Axis network cameras fulfill the Chinese Railway Bureau needs and were chosen for the project.

AXIS Q1602 Network Camera features the advanced Lightfinder technology that achieves color in low-light conditions. AXIS Q1604 Network Camera is able to show details of trains coming into and leaving the station, regardless of the light situation as it offers exceptionally good video performance in highly variations of light with its Wide Dynamic Range capabilities.

Result

The upgrade of the surveillance system makes it possible for Nanning Railway Bureau to capture the number of inbound trains entering the station as well as being served with crucial images. Every Police Department is equally capable of accessing images in progress and other video recordings of their area.

"Incredible, this camera (AXIS Q1602) can show clear, colored images in such bad lighting environments! This is the best result I have ever seen so far amongst video cameras!"

Mr. Chen, Nanning Railway Bureau.

Surveillance system to be centrally managed

Nanning Railway Bureau uses their video surveillance system to eliminate security blind spots at the station. This requires an integration of resources and increased security functions in every passenger transport station, freight station, stockyard, and freight yard's existing security surveillance system.

Currently, over 72 local police stations have already installed several hundred cameras, distributing the video images over various on-site front-end locations. The Police Department and the Public Security Bureau are required to keep track of time data. Consequently, it is absolutely necessary for each regionally installed video surveillance system to be centrally managed. The network center includes functions such as commanding, dispatching, checking, analyzing, deciding, supervision, disposal, naming, and audio.

Main applications of Axis solution

The main applications of the Axis solution is real-time monitoring of the trips of inbound and outbound customers/cargo vehicles as well as other dark locations.

Because of the exceptional low-light imaging quality and extremely low bandwidth of AXIS Q1602 and AXIS Q1604 the system video imaging has, after the transformation, a good interface with the original simulation system.

The AXIS Q1604 clearly shows details of the trains coming into and leaving the station, regardless of the environmental light situation, due to its extremely good video performance. It effectively records the entry and exit times of vehicle trips, thereby effectively achieving the goal of providing security inside the stations.

AXIS Q1602 advanced Lightfinder technology achieves color during low-light conditions. The main application of this model is in cargo stations, in situations without good lighting, achieving real-time monitoring of poorly lit corners.

Upgrading the surveillance system

Along with transforming and upgrading Nanning Railway Bureau's video surveillance systems, the bureau, a total of 72 local police stations, 3 police departments, and 1 Public Security Bureau will advance to a complete surveillance system network. All levels will be responsible for their division, equally capable of accessing surveillance images in progress and searching video recordings of their area.

AXIS Q1602 Network Camera has outstanding low-light quality, not only does it solve the low-light condition issues (relative to the low-light quality of other brands) of "seeing" critical problems. In addition, it simultaneously guarantees that the image would still be in color, the first of its kind in the industry. At the same time, by not requiring extra light, in regards to warehouses in cargo stations, stockyards and other places, it both conserves energy and reduces expenses.

After the system construction was completed, not only did it solve the problem of merging the surveillance system and the original simulated surveillance system, it also achieved the unification of the original system, TV wall, and other functions.

