

Axis provides Chinese Academy of Sciences with security surveillance.

Safeguarding building property with network video.



Organization:
Chinese Academy of
Sciences, Jiuzhang
Building

Location:
Beijing, China

Industry segment:
Education

Application:
Building security

Axis partners:
Guangzhou GAGILE
Network Technologies,
Beijing Aurine Divine
Land Technology Co. Ltd.

Mission

The Center for Space Science and Applied Research of the Chinese Academy of Sciences is a core scientific research institution in the space science and applied research area. Due to growth, the original building was not large enough to accommodate new scientific staff and experimental instruments. The Chinese Academy of Sciences therefore decided to build the new Jiuzhang Building in March 2008. The building, designed to be 12 stories high with 2 additional basement floors, can accommodate 700 staff members and 400 students. In addition, the building is equipped with a large number of scientific data receiving and observation stations, and the lab features a complete set of advanced scientific research instruments.

With such a large number of researchers and critical research devices, the security requirements for the building were higher than ever. The surveillance system also had to integrate with other systems to achieve the highest possible security.

Solution

The security system had to monitor all entrances, exits, corridors and critical areas in the new building, while fully integrating with the existing analog system in place in the old building to ensure unified surveillance management. Considering the scalability and integration needs, fixed and dome cameras were used, while Axis video encoders were selected to migrate the whole analog system to IP.

RVS Expert 3.0 provided by Axis partner RAGILE was installed on the video management server to manage and store the video streams centrally. The data is transmitted to the surveillance center via the network, and RVS eClient software is installed on a TV wall within the surveillance room to display live video. This system utilizes four 42" wide screens and six 19" screens. General images are displayed in turn on a 42" screen, while key images are displayed separately on 19" screens to monitor key areas.

"Axis video encoders are easy to install and maintain. The software partner, RAGILE, provides the user with reliable service, ensuring the system is stable, and enabling us to enjoy the advantage brought by network video systems."

Zhang Xu, Project Director of Kekong Yihai Project.

In this project, an infrared alarm system was also integrated in the video surveillance system. When an alarm occurs, the cameras send the alarm message to the display screen, along with the building alarm map to easily identify the alarm location. The security staff can replay the alarm quickly in the software interface, without any information being missed.

Result

The Axis video encoders convert analog signals from the analog cameras into digital signals and transmit them over the surveillance network, so the user can monitor the video images at any point in the network.

Thanks to AXIS 243Q Video Encoders, all surveillance points within the entire building are managed centrally in the surveillance room to ensure staff and research equipment in the building are protected. In case of failure at any point in the building, real-time images can be viewed at any time. Similarly, the integration with the infrared alarm system improves security and ensures any failure can be identified and handled quickly.

