

A Top-Grade Community Chose DTV for Security Upgrade

Site Name	Read Europe(閱讀歐洲)
Country/ City	Taipei, Taiwan
Industry	Residential Areas
Solution	DTV FHD Digital Surveillance System
Solution Provider	A-Tec Subsystem Inc
Reasons of Adoption	<ul style="list-style-type: none"> ■Retrofit without recabling ■System Expansion by Daisy Chaining ■Full HD video quality ■Others (BudgetFlexibility)



CUSTOMER NEEDS AND PROBLEMS

Built in 2001, the Read Europe is a medium-sized residential complex with 14 stories above and two below ground and a courtyard. The complex features a wide range of public facilities, including 13,200 square meter of European-styled property, 8300 square meter of Roman-styled courtyard, indoor swimming pool, gym, and playground, making this community a very desirable location. In addition, the security measures include guard posts at entrances, exits, and driveway, and surveillance cameras throughout the main public areas and courtyard.

After years of service, the system and equipment started to malfunction and the image quality deteriorated day after day. Although the cameras and video servers were replaced or upgraded over the course of more than a decade, there were still noises, ripples and even snowflakes in the recordings of a few dozens of channels. The images were so blurry that the security guards were concerned that this could lead to security breach. The community management committee started looking for solutions for improvement. While the survey was on-going, several a-tec engineers brought their products for demonstration. They replaced the analog cameras at the front gate and at two locations along the perimeter fences with digital DTV ones, and the blurry images become clear in less than one second. Moreover, even the facial features and license plates from 10m away can be seen clearly. After seeing the demo, the committee members decided to first upgrade cameras with serious deterioration and cameras at locations with high security concerns to 2-megapixel DTV systems. For example, the gate, lobby, and driveway to underground parking were upgraded first. Other locations such as the garden and library will be upgraded in the future.

CUSTOMER BENEFITS

The management committee selected 16 locations for the first-stage upgrade. At the control center, the installer replaces only the oldest analog video server with digital DTV video server. At the camera end, the

coaxial cables originally installed remained untouched, the installer replaced only the analog cameras with DTV ones. It took on average 30 minutes to replace a camera. All the workers had to do was to install cameras and to adjust the angle and focus, and that was it. Everything was done in just one day. The workers said this was probably the easiest money they have ever made.

Since DTV cameras transmit digital signals, which are less susceptible to aging cables or distance, the images from the cameras at the entrance and at the underground car park are equally clear, no matter they are located near or far from the control center.

Because DTV systems supports multi-channels in one single cable, adding new cameras is easy. If the community wishes to increase the density of cameras at the library, gym and courtyard in the future, all they have to do is to set new DTV cameras at channels different from the existing ones and use a splitter to connect them to the already-installed coaxial cables. The elimination of security blind spots is this easy. DTV digital surveillance systems not only solve the problems of the analog systems but also help clients save time and money.