



QINGDAO IMPLEMENTS TRAFFIC POLICE SYSTEM

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ESPRIT POSITIONING SYSTEM
INTEGRAL TO
CITY-WIDE COVERAGE
IN CHINA

BEGINNING IN 2002, THE QINGDAO POLICE BEGAN A THOROUGH UPGRADE OF ITS TRAFFIC CONTROL CENTER. AT THE TIME, SEVERAL MANUFACTURERS WERE INVITED TO VISIT THIS CHINESE METROPOLIS AND DEMONSTRATE THEIR PRODUCT. ULTIMATELY, QINGDAO CHOSE TO WORK WITH CROCKETT INTERNATIONAL AND SHANGHAI-BASED PELCO DISTRIBUTOR, SHANGHAI DIGITAL VIDEO NET.

Since that time, more than 300 Esprit Positioning Systems and eight networked 9760 Series Matrix nodes have been installed. In addition to a professional demonstration and a clear commitment to customer service, the Esprit Positioning System was chosen for its high-quality video output, ease of installation and operation, 360 degree continuous panning capability and basic aesthetics of the system, which included no exposed cables.

The Qingdao Police have added several applications to the system, which have further enhanced the value to the city. These include a software package used to record traffic violations, and a system has been installed where operators can record an incident, create a ticket and mail or email the ticket to the offender, all from the control room. Additionally, license plate recognition software is installed on the system so that stolen vehicles or vehicles otherwise being sought can be easily identified and found when necessary.

LOCATED AT THE SOUTHERN TIP OF THE SHANDONG PENINSULA, QINGDAO IS A MEDIUM-SIZED CITY ON CHINA'S EAST COAST. THE CITY'S TOTAL JURISDICTION OCCUPIES 11,000 SQUARE KILOMETERS AND HAS A POPULATION OF APPROXIMATELY 8 MILLION.

Since installing the system, the police have seen a marked decline in traffic violations. Mr. Zhang, Director of Traffic Police, explained that in addition to providing a deterrent for traffic violations, the Pelco system has also been an invaluable tool in solving traffic crimes. In April 2006, there was a late-night accident caught on video by the Esprit system. A taxi and a cement mixer collided, and the passengers in the taxi were killed. Mr. Zhang noted that without the high-quality video provided by the Pelco equipment, this case might not have been solved. Additionally, the Qingdao Police are using this video as part of their ongoing campaign to educate the drivers of Qingdao.



The main control room for traffic monitoring has space for 20 operators to monitor traffic and issue traffic violations as necessary. A video wall consisting of 32 (4 x 8) 84-inch DLP screens is installed in the control room. The wall allows for easier monitoring of traffic. A set of DVRs are used to store and playback video. In addition to local monitoring, there are fiber optic links installed, which allow remote monitoring from the Shangdong Central Government. Mr. Zhang takes great pride in the accolades he receives from the government stating that the signal quality and picture clarity received from Qingdao are the best in the province. Further confirmation of the high quality installation was received from one of Mr. Zhang's counterparts in the neighboring city of Dalian. Prior to visiting Qingdao, the Dalian Police had recently upgraded their system with a competitor's cameras and matrix switchers. After visiting Qingdao, the Dalian Police replaced the one-year old system with both Pelco cameras and an entire CM9780 matrix modeled after the Qingdao installation.

With the video wall installation completed in January 2006, the Qingdao Police are now ready for the expansion of their system. Plans are in place to increase the main matrix to 1024 X 256 while adding more than 900 Esprit systems. The new equipment will be installed over the next two years as the city prepares itself to host the sailing competition for the 2008 Olympic Games. **1**