

INDUSTRY

City video surveillance system.

END USER

Sanremo municipality: the capital of the Italian Riviera, it is a city that receives visitors and tourists all the year long and entertains them with events and several leisure opportunities. Sanremo municipality, which numbers 56 thousand inhabitants, was protected by a video surveillance system featuring 20 analogue cameras to control sensitive areas. In order to strengthen city surveillance, cultural and artistic heritage and guarantee a better road system, the local administration expressed the need to improve the existing video surveillance system.

BUSINESS OBJECTIVE

The main purpose of the intervention was to provide an efficient prevention and safeguard system through a widespread network of cameras able to connect various areas. Technical solution and system planning were entrusted to Promelit S.p.A., leading company in the security sector (www.promelit.it).

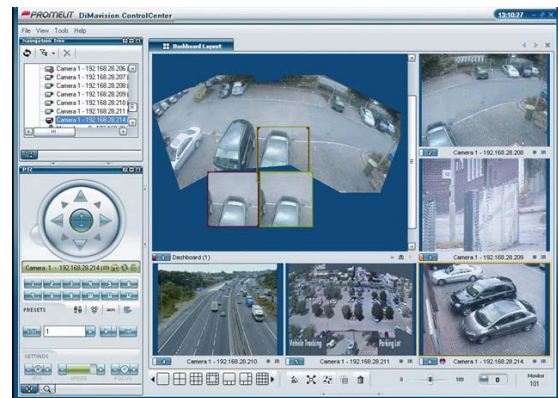
SOLUTION

Promelit installation allows the usage, viewing, branding and playback of images from the operations centers located at the command of the Municipal Police, State Police, the command of Carabinieri and Port Captaincies, allowing also real-time viewing by the Prefecture of Police of Imperia. Every control room is made up of a workstation where the client software Dimavision is installed for the management of the system, which is based on graphic maps for the viewing of the images.

The installation features, on the whole, 42 Promelit cameras with Speed dome technology, mechanical Day&Night, WDR and 23X optical zoom, ideal for installations that require high image quality 24 hours a day, 7 days a week, in every lighting situation; cameras are connected through optic fiber with 6 DiMax DVRs in order to record images; they are also connected through wireless backbone to MPEG4 encoding devices and TCP/IP transmission appliances towards the operations rooms.

In order to carry out this installation, a Gigabit network was created so as to connect the 6 sites where Promelit DVRs are placed and 6 more municipal offices. A highly performing network was thus realized. It allows to manage both video surveillance images and other services like IP telephony. To finalize the network it was created a connection with the town of Imperia through ProLink radio bridges point-to-point 5,4 GHz with a signal transmission up to 108Mb/s.

The pivotal element of this system is the DiMavision platform which allows you to manage up to 10.000 cameras, optimizing IP video surveillance for various applications



and to use well-advanced technologies to view, record and distribute audio and video.

This software is arranged so as to allow the integration of additional video analysis modules, among which plate recognition and advanced traffic analysis, anti-terrorism modules (e.g. abandoned object detection) and behavior analysis.

RESULT

Promelit installation is on the cutting edge since it allows the usage of the best technologies available on the market and it is open to future innovations thanks to HD image capture and traffic control. Among the economical benefits are the versatility of the devices, which can satisfy more functions at the same time, allowing to optimize acquisition and management costs avoiding the usage of expensive devices and moreover allowing the user to interface with just one technical support.

As a result, citizens live in a urban contest with a high security level.