IP Video Surveillance for Police

DIGITAL SECURITY LEADER

IP VIDEO SURVEILLANCE

If you're wondering what the importance of IP video surveillance is and who stands to benefit most from the exciting advancements being made in IP video surveillance technology in recent years, look no further than the Police Services throughout Europe and USA. Police are at the forefront of Security, therefore requires the best tools for their job. From facing the ever-present threat of terrorism, to enforcing strict rules and regulations, Police Services operates in a fast-paced environment that offers no room for mistakes. IP video surveillance technology and new innovations in video analytics are helping to the police forces throughout the developed world to provide 1st class services and react quickly to security events.

IP security delivers real-time surveillance, remote accessibility, and scalable, based on standard equipment, future-proof security solutions to help you prepare for potential business growth and upcoming technology challenges.

IP digital video technology provide the foundation for real-time surveillance and 24/7 all activities recording from numerous network cameras, strategically placed on the clients' sites, at one secure central location with remote monitoring and command centre.

Advanced network video viewing and recording, software serves as the core. iTM Systems' security solutions are driven by in-house developed surveillance software. Our software offers the customers an effective standardized way for handling video material and providing real-time remote video surveillance and monitoring with one of the best analytical intelligence today.

Above is the deployment of IP Megapixel Cameras B47 for monitoring all Dallas Police Stations in the Texas State.
Below is the of IP video surveillance for Baltimore Police Department Inner Harbour USA with implementation of 5 MP cameras.

Above is the Command and Control Centre in New -York monitoring a vast network of IP PTZ cameras.
Below is the implementation of high end IP network cameras using iTM BT96 which are monitored at a Control Centre in Philadelphia.
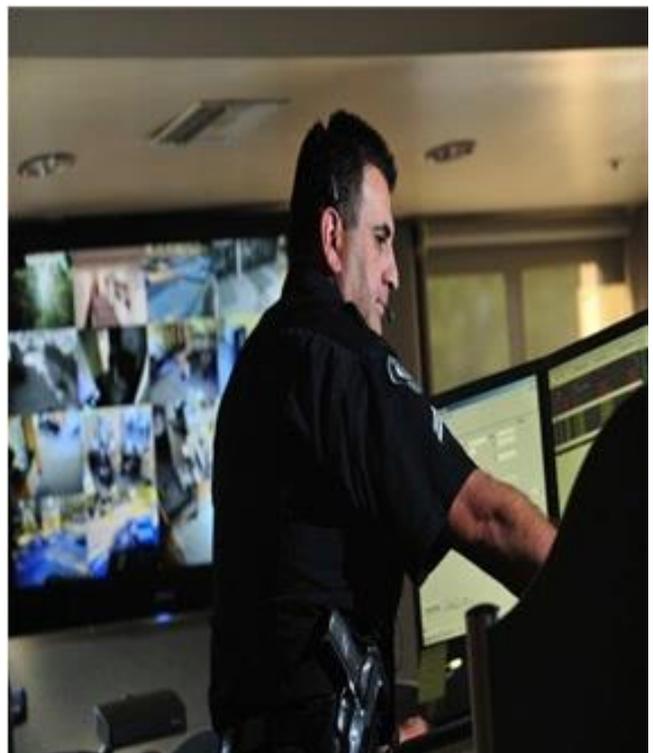
BENEFITS OF IP VIDEO SURVEILLANCE

The security requirements for the police are extremely high at the moment. IP security guarantees security system expansion with a scalable solution, based on standard equipment. IP cameras operate independently and connect, as with a PC, directly to an IP network. New surveillance cameras can be added one by one to meet increased performance requirements. Moreover Advanced surveillance software provides additional benefit of great capacity to integrate with other systems including existing security, access control and building management systems or other police systems like fingerprint scanners or facial ID database.

Trained Police operators remotely view sites and check whether security and other operational issues are being met, based on pre-set instructions. Surveillance Patrols can be scheduled at intervals and alarms if there are any potential problems. The services include 24/7 video recording to a secure NVR Server.

Network cameras come with a number of intelligent video applications which function to increase surveillance efficiency, including motion/audio detection and tampering alarms with automatic alerts.

SOLUTION FOR Western Australia

IP VIDEO SURVEILLANCE AUTRALIA

Modern video surveillance in police requires flexible solutions which fulfil stringent quality and security demands: Distributed cameras, recording and transmission of video signals, live presentation, use of digital networks, intelligent picture processing, integration of audio channels and control as a video system via a higher-order (often already existing) building-management system.

Using ITM SECUREOS every system Analog or IP can be integrated using this Video Management System which support most of major video surveillance vendors' cameras. In this VMS plate-form IP and Analog streams can be combined and display in one central monitoring platform.

iTM Systems provides you an end to end video surveillance for your police stations all integrated onto one management platform which your Command &Control Centre uses for security management tasks like:

➢ Biometric Access Control

➢ Facial Capture and Recognition (FCR ➢ License Plate Number Recognition (LPR) ➢ Abandoned Object Recognition

➢ Remote Video Monitoring and Storage ➢ Video Surveillance Forensic

➢ People Counting

➢ Perimeter Intrusion Detection Systems (PIDS) ➢ Command and Control Centre Design

➢ Integrated audio monitoring / recording

This technology fulfils all the requirements of modern camera technology and is especially well suited for use in highly complex video surveillance systems for connecting large number of police stations, with their wide variety of operating conditions and cameras. Due to their very large dynamic range, iTM solutions are ideal for use in all police stations, because this platform will collect the feed from cameras or DVRs or NVRs and send it back to main display console, which is used to monitor all cameras feed in Control and Command Centre.
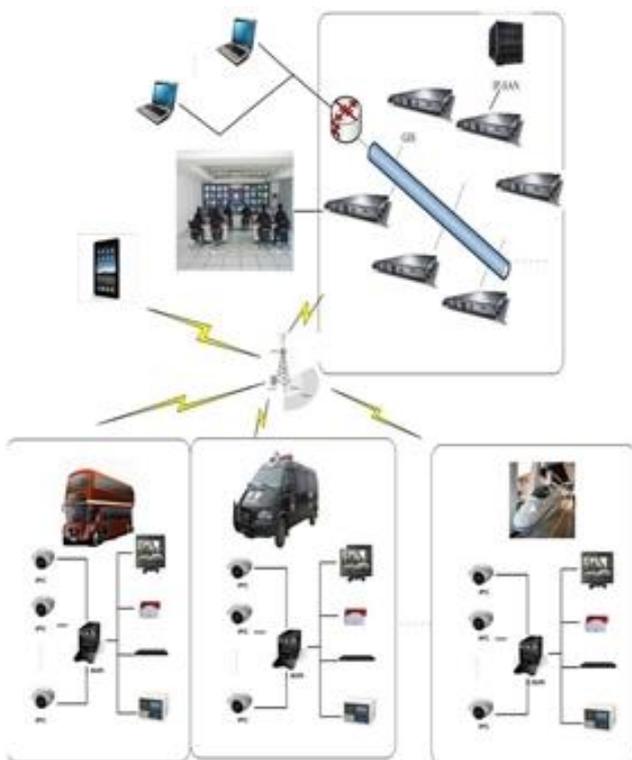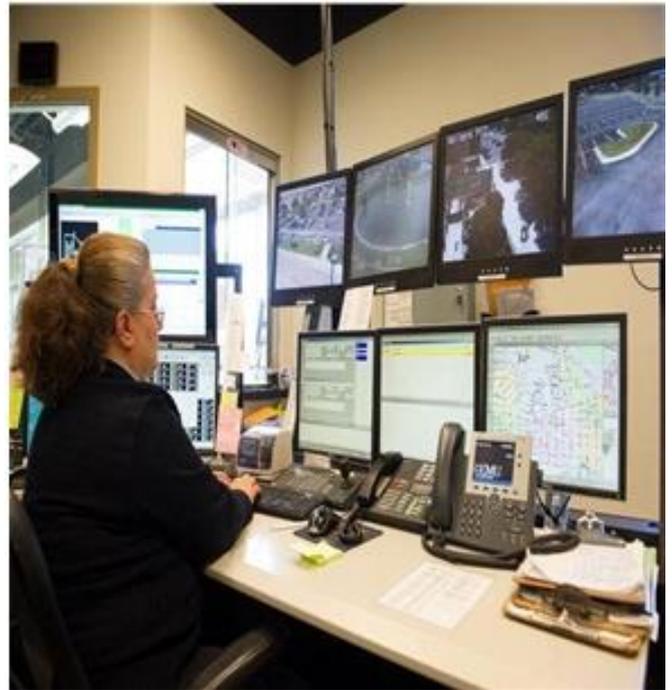
CASE STUDY OF NJ POLICE

Security Requirements of New-Jersey Police - USA

A fully integrated security architecture was developed and implemented at the Deal Municipal Complex in Deal, NJ. Complying with Federal, State, and County policies, a single-system architecture provides video surveillance, alarming/alerting, integrated audio monitoring / recording, and facility access control for the police station, municipal court, and Borough facilities. Monitor all open areas to get continuous overall footage of airport activity.

The entire architecture is events-based, i.e., all video cameras, card readers, and audio microphones are system sensors with defined events. This enables the police to perform other policing functions while the system monitors events and provides an event-based log of all activities. Within pre-defined policies, key events trigger alerts an alarms, providing notification for dispatch officers. All these events are managed by the Core OS of iTM SecureOS to provide all intelligence required for this mission.

iTM Implemented the following list of functionalities, as part of the project requirements for the NJ Police:

- NJ Police & Law Enforcement
- Fully Integrated system with Events and Alerts
- License Plate Recognition
- Facial Recognition
- Biometric Access Control/Fire alarm integration
- Mug Shot/Interrogation Room
- Integrated Video/Audio
- Safe Community

In conjunction with iTM BT47 and IT92 PTZ IP cameras and efficient picture transmission and recording technology, the operator in control have a complete picture at any time of any of the police stations that are monitored remotely using the best components, fine-tuned to one another, from one source. The Command and control centre is only effective when all the elements of the security work together to inform the team of all alerts and violation, in order for them to coordinate their action with the law enforcement units.

MORE REASONS FOR IP SOLUTION

Benefits of IP-Based Video Surveillance for Police Stations

Combat terrorism - It's an unfortunate fact that police stations are now targets for terrorist activity. For this reason, it is vitally important any police station to employ extremely strict security measures. Video surveillance systems play a key role in protecting against acts of terrorism. The proper system will provide authorities with invaluable tools in their efforts to maintain the highest possible levels of security.

Provide real-time surveillance to multiple departments - With IP surveillance enabling digital surveillance streams to travel over the internet, operators in various police departments, can all monitor the video feeds from separate PC workstations.

Advanced video analytics - Intelligent cameras with built-in video analytics are beginning to play a significant role in any police station security. iTM cameras utilize software algorithms to detect specific activities and scan for suspicious individuals. For instance, cameras with facial recognition technology work to help authorities find terrorist threats and marked individuals on government watch lists. Using behavioural recognition technology, cameras can be programmed to detect incidents such as left objects, congestion, reverse movement through checkpoints, and cars spending too much time parked in one spot outside of the building. With these features running through cameras themselves, the analytics operate in real-time.

Flexibility and scalability - IP video surveillance systems are scalable, meaning they can grow as needed, or as the police station grows. Additional cameras are easily connected to the network, and pre-existing analogue cameras can even be incorporated into new systems by using digital encoders.

Digital storage - With IP surveillance, video footage is recorded and stored digitally, unlike analogue systems which archive footage on clunky cassette tapes. This allows for an almost unlimited amount of storage, and also provides users with drastically enhanced search capabilities.

Remote access - IP-based surveillance systems send live video streams over the internet, where they can be viewed, along with archived footage, remotely from any PC with network access. This allows authorized users to monitor airport activities from off-site locations.

IP Video Surveillance Solution Recommendation - Using ITM BT41 and BT61 or BT47 combined with iTNR40 200 Channel NVR systems will give any police station an IP Video surveillance solution that can be scaled by connecting the solution to a Video Management Server like SecureOS Server running as a Core VMS to connect many police stations to a Command and Control Centre for nationwide monitoring solution, this option can be used where the police is planning to implement a new video surveillance, as a replacement of the existing video system or may be a switch from analog solution to IP video surveillance.