

PureActiv®

AUTOMATED OUTDOOR VIDEO SURVEILLANCE

PureActiv® is an automated outdoor surveillance solution that addresses critical security threats to safeguard lives, facilities and other high-value assets. The PureActiv solution provides security professionals with accurate, real time alarms and video of suspicious activity, while minimizing nuisance alarms. The PureActiv solution provides world class situational awareness and proactive management of security threats in outdoor and remote environments.

By leveraging several advanced technologies, including geographic information systems (GIS), advanced patent-pending video scene analysis and a policy-based detection and notification rules engine, the PureActiv solution equips security personnel with specific information and tools needed to properly respond to security threats.

AUTOMATED SECURITY POLICY RESPONSE

The PureActiv solution incorporates an automated security policy response feature which allows security managers to easily configure the system to execute specific policies, including automated responses to particular events. This assures that the security operator, and any systems integrated with the PureActiv solution, takes the proper course of action in response to an alarm.

Once an alarm has been initiated, the PureActiv system distributes notifications to a defined contact hierarchy as well as other systems according to configured policies. At the lowest level, the PureActiv solution allows other systems to receive alarm information through industry standard interfaces. At the highest level, out-of-the-box, the PureActiv solution provides an easy to use alarm notification via e-mail, pagers and voice telephone calls with touch-tone acknowledgement. In addition to such alarm notifications, the PureActiv system can take specific actions such as turn lights on or off, lock doors or gates, sound an audible alarm, dial 911 or run a user developed program.



FEATURES

- Advanced video analytics for object detection and tracking sensors
- Geographic map based user interface
- Point-and-click command and control interface
- PTZ camera tours with video analytics
- Automated camera steering including slew to radars, fence devices, access control systems, etc.
- Full function DVR and video forensics
- Scalable video distribution
- Fuses data from multiple sensors
- Automated policy-based detection rules and alarm notification
- Key features accessible from a web browser or PDA

FEATURES

ADVANCED OBJECT DETECTION AND TRACKING

The object detection and tracking module detects moving objects of significance while ignoring motion due to changes in lighting and weather conditions. Additionally, PureActiv can classify objects into a variety of groups including people, cars, trucks, etc. Combined with behavioral analytics, this provides a very effective means to aid security personnel in monitoring for specific types of events.

GEOGRAPHICAL MAP PRESENTATION

The PureActiv solution uses geographic mapping technology to locate and position devices, cameras and alarms on a detailed map to provide a “real world” perspective. In addition to providing better situational awareness, the ability to understand an object’s location on the ground plane allows for superior object classification and behavior analysis.

AUTOMATED CAMERA STEERING

The PureActiv solution automatically relates alerts to the geographic location and live video of the event. Once an intrusion event occurs, PureActiv slews-to-cue area cameras without the need for human intervention.

SCALABLE VIDEO DISTRIBUTION

The PureActiv solution provides centralized access to all remote video camera feeds through a central server and highlights those devices which require assessment.

VIDEO AUTHENTICATION

To ensure unaltered recorded video, PureActiv uses a state-of-the-art algorithm to generate a secure digital signature for every frame. This digital signature is embedded into corresponding frames of recorded video, alerting users to alterations.

USER-FRIENDLY CONFIGURATION AND OPERATION

PureActiv provides a secure, centralized graphical network configuration tool for any desktop location; devices can be configured by clicking icons on a map display.

ROBUST OPEN SYSTEM ARCHITECTURE

PureActiv is designed to be easily and effectively integrated with other systems and third party devices. It seamlessly integrates with fence sensors, radars, motion detectors and access control systems to provide consolidated perimeter intrusion detection and assessment. Combining this with the PureActiv client allows operators to view and control various sensors from a single, map based user interface.



BENEFITS

- Protects lives and critical infrastructure
- Achieves security objectives with less staff
- Improves surveillance effectiveness (force multiplier)
- Maximizes situational awareness
- Enables informed, proactive decisions
- Mobilizes security personnel
- Minimizes nuisance alarms

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