



## Solutions for Public Safety Applications

In protecting its citizens, a public safety agency often relies upon video surveillance and remote sensor technologies to do the job. Added responsibilities for disaster response and emergency management are also resulting in the deployment of new physical security and surveillance technologies. The resulting flow of security information has the potential to overwhelm the existing management resources of an agency.

Managing the full range of public safety issues requires a multi-agency effort involving fire, police, transit authority, parks, housing, streets and sanitation, city hall and others. Each of these agencies utilizes hundreds or thousands of cameras and a variety of newer technologies such as video recorders, remote sensors, gunshot detection systems, and RFID systems. In large urban centers in particular, it is a huge challenge to investigate potential public disturbances or emergencies and coordinate a multi-agency response.

This environment *requires* the use of an automated system to monitor and seamlessly integrate inputs from a large number of disparate security devices to sense, corroborate and respond to an event. The ability to effectively manage massive amounts of security information allows workers to focus exclusively on situation management - awareness, assessment and action.

Physical Security Information Management (PSIM) software products from VidSys enable public safety organizations such as police and law enforcement departments to effectively manage all security assets before, during and after an incident.

With VidSys, these organizations can reduce costs; provide a common framework for universal management of disparate security devices; provide a layer of intelligence through filtering, correlation and analysis, and most importantly, increase overall situational awareness.

The VidSys product family includes three primary components: VidShield™, RiskShield™ and the Open PSIM Platform™. VidShield and RiskShield are software applications that leverage the underlying Open PSIM Platform to provide users with the tools they need to effectively manage critical security situations.

The Open PSIM Platform is a packaged software platform that supports the operation of the VidShield and RiskShield applications. It enables organizations to leverage existing or newly-deployed networks of physical and virtual security and surveillance assets by integrating them into a single seamless system.

It integrates, manages and correlates massive amounts of security information collected from a wide array of detection, monitoring, and control systems or video sources - both analog and digital. It also provides services such as geo-mapping, filtering and correlation of alarms to present the user with real time situations, not just alarm and event data.

VidShield and RiskShield applications running on the Open PSIM Platform, collect and analyze the security and surveillance information for immediate situation awareness, verification, and delivery of the necessary instructions and tools to manage, resolve, and report on the situation.

This solution provides *real time management of critical situations without the need to understand the underlying technology.*



**Integrate & manage video surveillance, sensor and analytics technologies & manage complex situations through a single intuitive user interface.**

## Key Solution Advantages:

### Virtual Tracker / Back Tracker

The Virtual Tracker™ (VT) and Back Tracker™ (BT) features available in VidShield™ enhance operator effectiveness by enabling easy tracking of an object (person, vehicle, asset, etc.) as it moves throughout a network of security and surveillance cameras. VT makes use of a *Geometry Engine* to calculate nearest/best cameras based on camera locations and presets. The output is combined from several cameras into a single view that displays active and candidate cameras while presenting the path on a map or building drawing. BT allows operators to reverse the process using recorded video to support forensic analysis.

### Correlation & Rules Engines

The Open PSIM Platform *Correlation Engine* detects events using a customer-customizable *Rules Engine*. RiskShield™ determines what is interesting based on customer definable rules enabling automated and computer-aided human responses to a given security situation.

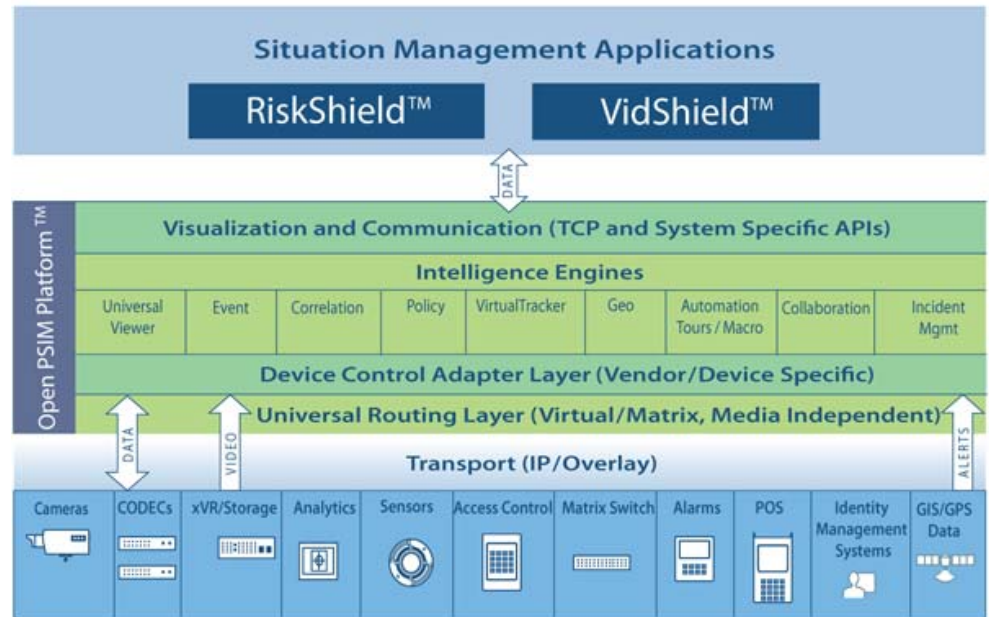
### Visualization and Mapping

VidShield and RiskShield user interfaces support positional representation of cameras, alarms, sensors and other assets displayed on geographic maps. Floor maps or building drawings may also be used. Maps and drawings can easily be navigated by dragging the mouse, or by using the mouse wheel to zoom in (mouse wheel up) or out (mouse wheel down) to show detailed information. Users may enter an address, intersection, camera name or general area to quickly locate it on the map. Using GIS, GPS or RFID, maps can be used to track assets, vehicles or personnel.

### Web Services APIs

VidShield and RiskShield provide a flexible, browser-based GUI architecture that allows customers to create a customized user interface.

## VidSys Product Architecture



## About VidSys

*VidSys is leading the evolution of Physical Security Information Management (PSIM) by delivering software that collects and correlates security information coming from many incompatible systems to identify and resolve security and business risks in real time.*

*Our award-winning VidShield™ video management & RiskShield™ situation management applications are built upon the Open PSIM Platform™. The platform provides plug-and-play integration of incompatible security devices and subsystems (such as access control, RFID, video, fire alarms, sensors, networks) and incorporates multiple software engines for intelligent analysis across multiple inputs to support situation analysis.*

*The result is a complete management system that helps security professionals respond quickly and accurately to evolving complex situations that represent business and security risks both inside and outside their organizations.*

*Customers in both the public and private sectors, representing several of the world's largest unified command & control centers, have relied on VidSys expertise and its flexible software platform to help them in safely managing their operations.*