VirtualFence VMS

Intelligent video command, control & communications management

Trip-wire Violation at Entry Control Point (Thermal Camera)

Loiter Area Violation on Waterfront (IR Camera)

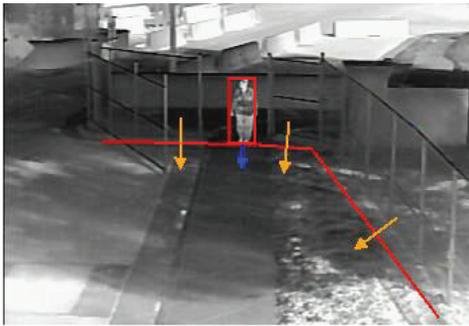Trip-wire Violation on Waterfront (IR Camera)

Enhanced situational awareness helps security professionals and responders to operate more effectively in a threat environment. In a highly volatile environment, early warning alerts, data mapping, a single view of operations, enhanced communications and reporting systems can all increase users' situational awareness and improve force protection. VMS enables better decision-making by helping users manage communications and data more effectively while minimizing response time, costs, and loss associated with incidents.

VMS is a key component of 3eTI's VirtualFence system, a secure wireless IP-based network video surveillance system that meets the DoD's stringent requirements for protection of physical assets. VirtualFence offers the only FIPS 140 validated and Common Criteria , EAL4 certified wireless video server solution on the market, with the added feature that all video analytics (intelligent video analysis) is contained in the remote unit.

VMS keeps cost low by leveraging existing legacy security systems to significantly expand users' management capabilities. It offers a centralized video management solution that easily integrates all CCTV, video analytics, security sensors and access control systems, securely linking IP networks for command & control (C2) or mobile applications.

FirstView is 100% an open architecture web application, which means that there is no proprietary client software to use the system. Additionally, it uses Secure Socket Layers (SSL) in the web browser supporting DHS and DoD mandated AES encryption algorithms. This means that there are no complicated client installations or maintenance and no per seat licenses, to allow as many authorized uses are needed.

FirstView provides key functionality while meeting current security management requirements and providing a seamless upgrade path to expand the system infrastructure. FirstView's fluid PTZ controls and hierarchical user levels enable it to manage thousands of cameras at once. It can support numerous analog or IP camera/encoder vendors including MJPEG and MPEG-4 video codecs.

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KEY FEATURES

- Sensor management with legacy device support

- Alarm handler / manager 4000

- Web browser based (clientless)

- Secure using SSL with AES encryption

- Hierarchal user management for interoperable communications

- Network ready for LANs/ WANs and wireless networks

- Provides real-time access to on-site visual intelligence

- Reduces first responder risk and promotes public safety

- Modular design enables easy integration and customization options

- Open architecture/scalability

Digital Video Management
Manage thousands of cameras at once, using fluid PTZ controls and hierarchical user levels. Support numerous analog or IP camera/encoder vendors including MJPEG and MPEG-4 video codecs.

Network Video Recording
Record any video stream from anywhere on the network. Unlimited storage options ensure maximum flexibility and scalability.

GIS/Mapping
Interface with Google™ Maps Enterprise to overlay camera and sensor locations with video imagery or import your own maps, drawings and blueprints. Support geospatial inputs from ground radar systems, automatic vehicle locators (AVL), global positioning systems (GPS) and acoustic gunshot detectors.

Alarm Management
Input alarms from any supported sensor system or security device and intuitively view or analyze events in real-time. Alarms can be configured to trigger a wide range of pre-defined actions including record index, PTZ preset triggers, video screen pop up displays, audible cues and map overlays.

OPTIONAL MODULES

Video Analytics
Embedded video analytics can capture and integrate the video surveillance reference and disparate sensor systems to enhance command, control and decision-making during both routine operations and crisis situations. Users can leverage video analytics technologies in a wireless mesh video network configuration to better protect facilities and operations. Integrated video analytics algorithms for enhaned or automated intelligence provide standard capabilities including intrusion detection, object tracking, people counting and left-object detection. Remote monitoring uses intelligent video to trigger trip-wires, tracking, loitering detection, counting, and incorrect direction movements.

Access Control Systems
Provide information and alarms from standard access control systems and other sensors such as doors, fences, gates, turnstiles and parking management devices.

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