



REAL TIME SCENE ANALYSIS

For Surveillix DVRs

Transform your Surveillix DVR into a powerful video analytics system capable of monitoring video and notifying you of events as they occur in real time. Detect running, loitering, slips/falls, vandalism, object theft / abandonment, and much more using iOmniscient's Video Analytics Software.

VIDEO ANALYTICS SOFTWARE

- Seamless integration with Toshiba's Surveillix DVRs
- Perimeter protection / intrusion detection
- Counting / directional alarms
- Detects loitering, running, slips and falls
- Crowd management with alarms for overcrowding
- Parking violation detection
- Graffiti / vandalism detection
- Object theft and abandonment detection
- Camera incompetence and anti-sabotage warnings
- Traffic-flow analysis and reporting
- Object detection in a crowd
- Nuisance alarm minimization system
- Integrated Nuisance Alarm Minimization System (NAMS) for coping with environmental factors and dynamic lighting
- Object Differentiation discerns the difference between humans/vehicles, bags/luggage carts, and loaded/empty carts

Video Analytics Software

iOmniscient Video Analytics Software

WHY VIDEO SCENE ANALYSIS?

iOmniscient's Video Analytics Software is a powerful and unique security-centric technology that combines motion and stationary object analysis of video channels on the Surveillix DVR to detect significant and suspicious events. iOmniscient's internationally award winning technology makes a surveillance system more than a recording device; it becomes a proactive and preventative tool for improving the quality and effectiveness of surveillance operations. By alerting the user to events as they happen, operators are able to take immediate action and even preempt disasters.

iOmniscient Video Analytics Software provides users a rich set of video analysis solutions to meet a variety of needs. IQ software is already in use in locations around the world such as government buildings, airports, high traffic public spaces and public roadways. The implementation of video analytics in a security solution can improve accuracy in identifying security risks while reducing the manpower needed to identify them.

IQ-100 Perimeter Protection and Intruder Detection

SW-SIQ100-L: 1CH of IQ-100 / 10 yr. License (Requires CPU-UPG) - Includes 1 yr. Software Upgrade

SW-SIQ100-1YR: 1 yr Software Upgrade for 1CH OF IQ-100

Intrusion Detection

At the most basic level of motion detection, the IQ-100 software can be configured to track the movement of objects across the screen. This application can be used to protect a designated area from intrusion.

Perimeter Protection with Tracking

The IQ-100 software allows users to designate a virtual tripwire or region drawn on the screen. Anytime this perimeter is breached, the event is recorded and an alarm is raised.

Directional Alarms

This function can direct attention to events where people breach security. The IQ-100 software is able to permit objects to travel in a certain direction while raising an alarm when objects are traveling in the opposite direction, or any other user-defined direction that may be deemed a security risk.

Loitering

The IQ-100 software has the unique ability to tell if a person or object has been in a certain area for a specified amount of time. This is especially useful in situations where loitering often occurs.

Running

The IQ-100 software can calculate whether a person is running, or traveling over a certain speed. Running in certain locations can prove to be a liability and the IQ-100 can help identify and eliminate potential reckless behavior.



IQ-110 Statistical Counting

SW-SIQ110-L: 1CH of IQ-110 / 10 yr. License (Requires CPU-UPG) - Includes 1 yr. Software Upgrade

SW-SIQ110-1YR: 1 yr Software Upgrade for 1CH of IQ-110

Directional Alarms

Statistical Counting

The statistical counting function will count and give a cumulative total of the number of objects that have passed through a specified area at any given time. Multiple regions of interest can be drawn, directing the IQ-110 software to count traffic that passes through the region in any direction that is specified.



IQ-115 Slip & Fall / "Man Down" Detection

SW-SIQ115-L: 1CH of IQ-115 / 10 yr. License (Requires CPU-UPG) - Includes 1 yr. Software Upgrade

SW-SIQ115-1YR: 1 yr. Software Upgrade for 1CH of IQ-115

Slip and Fall / "Man Down" Detection

The IQ-115 software can instantly detect if a person slips or falls, therefore raising an alarm to alert security personnel. The IQ-115 software can be used in "Man Down" situations where a guard or a soldier falling over instantly raises an alarm. This can be useful in situations where the safety and status of guards are critical to security. The slip and fall detection may also prove to be useful in public liability situations.



IQ-120 Crowd and Congestion Management

SW-SIQ120-L: 1CH of IQ-120 / 10 yr. License (Requires CPU-UPG) - Includes 1 yr. Software Upgrade

SW-SIQ120-1YR: 1 yr Software Upgrade for 1CH of IQ-120

Overcrowding and Congestion

The IQ-120 software overcrowding and congestion detection function determines a crowd size based on the filled percentage of an area of interest. When a crowd is larger than the allowable size, an alarm can be activated. This can be an essential tool for staff that have the task of monitoring and managing crowds and congestion within an area.



Video Analytics Software

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Crowd Counting

The IQ-120 software has the unique capability to monitor an area and estimate the number of people or vehicles moving through it in real-time. The system uses the percentage of the area that is covered to estimate the current occupancy. The system can also calculate the rate at which they are passing through the area. This differs from the IQ-110 standard counting software which counts individual objects (people, vehicles, etc) that pass through a 'virtual gate' and provides a cumulative total.

IQ-140 Abandoned Object Detection

SW-SIQ140-L: 1CH of IQ-140 / 10 yr. License (Requires CPU-UPG) - Includes 1 yr. Software Upgrade

SW-SIQ140-1YR: 1 yr Software Upgrade for 1CH of IQ-140

Parking Violations

The non-motion detection capabilities of the IQ-140 software detects vehicles that park illegally or are parked in a certain area too long, even in areas of regular traffic where vehicles may be obstructed regularly by passing traffic. The IQ-140 software is able to detect vehicles that stop for less than a minute, but more importantly it can detect vehicles that stop for more considerable periods of time. A time limit for the parking zone is preset by the user and any vehicle that remains parked in the area for too long will raise an alarm. The software can be used for multiple applications including no-stopping zones, loading zones or monitoring illegally parked cars.

Graffiti and Vandalism in a Crowd

The IQ-140 software has the unique ability to detect vandalism and graffiti as a change in the stationary background and will generate alarms to alert staff, even if the area is crowded and the graffiti is periodically obscured. The software can catch offenders in the act as well as provide an archived record of the event for the future.

Abandoned Objects in a Crowd

The IQ-140 software can detect an object that has been left stationary in a busy scene, despite the constant movement in front of and around the object. The IQ-140 software can even detect objects that have been fully obscured for extended periods of time. In a busy environment, such as crowded train stations or airport terminals, people may regularly obscure an abandoned bag as they walk past it. No other software product is capable of detecting an object in such an environment.

Theft in a Crowd

The IQ-140 software has the capability to detect objects that are removed from crowded and busy scenes, despite obstruction and constant movement in the camera's field of vision. At the press of a button the event footage can be replayed and the event identified; giving personnel the opportunity to respond in a quick and efficient manner. In a busy environment, people unknowingly and consistently obscure an object as they walk past it and only the IQ-140 software is capable of ignoring the movement of people in front of objects to discern if it is missing. The software will even identify user specified objects such as valuables to be protected by using user-definable size and shape parameters.

IQ-180 Sensitive Object Detection

SW-SIQ180-L: 1CH of IQ-180 / 10 yr. License (Requires CPU-UPG) - Includes 1 yr. Software Upgrade

SW-SIQ180-1YR: 1 yr Software Upgrade for 1CH of IQ-180

Theft in a Crowd

Parking Violations

Graffiti and Vandalism in a Crowd

Abandoned Objects in a Crowd

Invisible Low Contrast Object Detection

The IQ-180 software can detect very small objects (4x4 pixel on-screen) in crowded areas, even when the object has been obscured for a significant period of time. The IQ-180 software can also detect objects in many types of low light and low contrast situations.

IQ-Infinity Highly Flexible Architecture

SW-SIQINF-L: 1CH of IQ-INFINITY/10 yr. License (Requires CPU-UPG) - Includes 1 yr. Software Upgrade

SW-SIQINF-1YR: 1 yr Software Upgrade for 1CH of IQ-INF

IQ-Infinity Capabilities

The IQ-Infinity includes every type of detection option except Invisible Low Contrast Object Detection. Users can perform more than one detection type on a selected channel with the IQ-Infinity*. The IQ-Infinity is essential for projects requiring more than one detection type on a single channel.

* More than two is not recommended due to hardware limitations. Some limitations may exist between detection types. Contact your sales representative for more information.



Video Analytics Software

iOmniscient Video Analytics Software

1Ch. Data Aggregation Server for IQ-110 & IQ-120 (Environment Server)

SW-SIQDATAG-L: 1CH Data Aggregation Server FOR IQ-110 & IQ-120 (Environment Server)

Includes 1 yr. Software Upgrade

SW-SIQDATAG-1YR: 1 yr. Software Upgrade for 1CH Data Aggregation Server for IQ-110 & IQ-120

Monitor and collect statistical data from multiple locations into one central database using iOmniscient's Data Aggregation Server. For use with iOmniscient's IQ-110 and IQ-120 statistical counting applications the Data Aggregation server is a per channel license allowing you to collect data from multiple sources into a single database for monitoring and analysis. Use the Aggregation Server to track data such as customer traffic or crowd density for security purposes, marketing effectiveness, occupancy requirements, or to track peak business hours. With iOmniscient's Data Aggregation Server there is a wealth of information at your fingertips.

Software Licensing and Upgrades

Your purchase of iOmniscient software entitles you to a lifetime license of the software version purchased and includes 1 year of gold support free of charge. To extend gold support beyond the first year or to renew gold support after letting it lapse we offer the following options:

- If purchased during an active gold support license period, one-year upgrade licenses may be added at the standard license rate.
- If purchased after gold support has lapsed the renewal license fee is doubled.

Gold Support

Your purchase of iOmniscient software entitles you to one year of free Gold Support. Additional one year license of Gold Support may be purchased for up to ten years after the initial software purchase date.

Gold Support offers the following benefits:

- Unlimited Upgrades
- Email Support
- Phone Support, and remote diagnostics
- Remote diagnostics



		IQ-100	IQ-110	IQ-115	IQ-120	IQ-140	IQ-180	IQ-INFINITY
DETECTION CAPABILITIES	Intrusion Detection	Red						Red
	Perimeter Protection with Tracking	Red						Red
	Directional Alarms	Red	Red					Red
	Statistical Counting		Red					Red
	Slip and Fall / "Man Down"			Red				Red
	Loitering	Red						Red
	Running	Red						Red
	Overcrowding and Congestion				Red			Red
	Counting in a Crowd				Red			Red
	Parking Violations					Red	Red	Red
	Graffiti and Vandalism in a Crowd					Red	Red	Red
	Abandoned Objects in a Crowd					Red	Red	Red
	Theft in a Crowd					Red	Red	Red
Invisible Low Contrast Object						Red	Red	