VIISIGHTS IQ™ AUTO-LEARNING VIDEO ANALYTICS TECHNOLOGY

viisights

Intelligence by vision

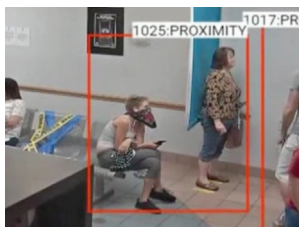## New Intelligent Video Analytics Module Dramatically Reduces False Alarms and Increases Event Detection Precision

viisights wise™ leads the video analytics industry with powerful behavioral recognition capabilities. Raising the bar further, viisights new AI-driven auto-learning module, viisights IQ™, virtually eliminates disruptive and costly false positives, enhances events detection precision, and improves overall operational efficiencies. Soon to be added to viisights portfolio of behavioral recognition video analytics products, the current suite of solutions will be marketed under the wise IQ™ brand.

Empowered with the new viisights IQ™ module, viisights wise IQ™ behavioral recognition video analytics enhance overall situational awareness for security and safety applications by further elevating the proven effectiveness of viisights' detection capabilities.

wise IQ™ enhances every existing and new application for behavioral recognition video analytics, including:
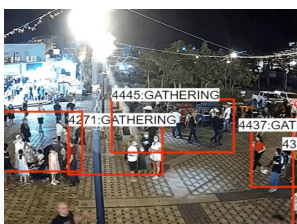

Violent Activity
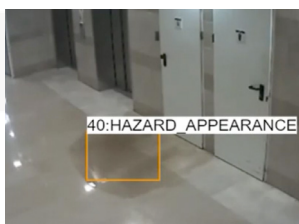

Perimeter Protection and Control

Suspicious Activity

Traffic Monitoring
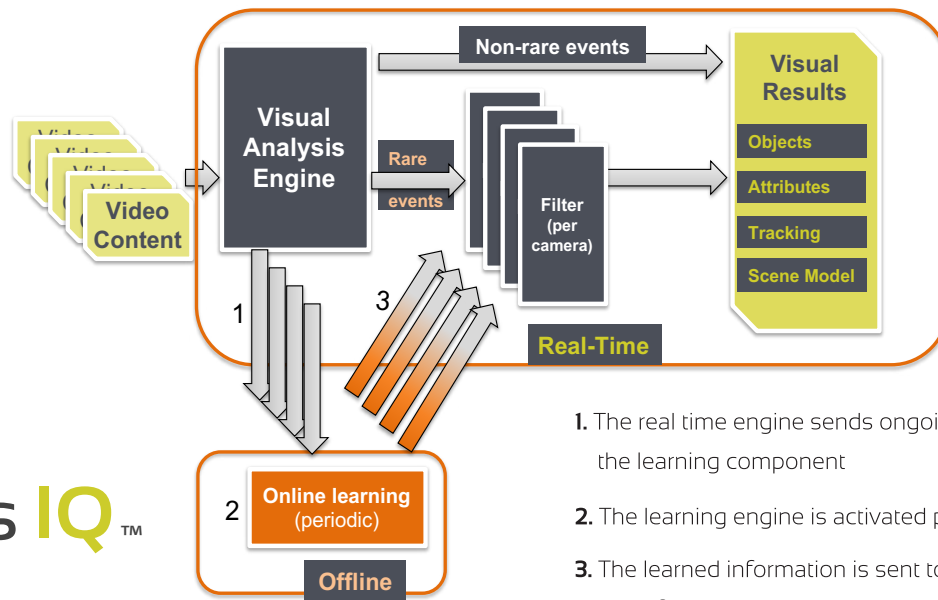

Person and Crowd Behavior

Environmental and Personal Safety

Powerful New Benefits!

wise IQ™ behavioral recognition video analytics improves detection precision in many ways...

1. Analyzes the unique conditions of each individual camera scene, training the analytics to constantly and autonomously improve the detection capabilities of every camera augmented with wise IQ™ technology

2. Delivers real ROI by dramatically reducing the cost and time associated with investigating and resolving false positives/alarms

3. Improves the performance of event precision, reducing false alerts

4. Increases overall operational efficiency by allowing security personnel to focus on real events of interest and/or other services

5. Scales seamlessly to accommodate any single or every networked camera on the system

6. Automatically adjusts for gradual changes such as different lighting conditions during different times of the year

7. Accommodates viisights entire suite of industry-leading wise behavioral recognition video analytics

Here's How viisights IQ™ Technology Works

1. The real time engine sends ongoing data to the learning component

2. The learning engine is activated periodically

3. The learned information is sent to a filter, modifying the real-time detections

viisights IQ™ enhances wise IQ™ behavioral recognition video analytics by adding a powerful new onsite auto-learning function that implements autonomous training to learn what is, and what is not, an event of interest within a scene. This training is not a setting that affects every part of the system in the same way – instead, viisights IQ™ analyzes the video for each individual camera in the system and adjusts the learning to take the specifics of that camera view into account. For example, every camera view has many environmental and behavioral characteristics including: point of view, type of objects, number of objects, the speed that objects move, how objects move, lighting conditions, and more.

As shown in the figure above, when enhanced with viisights IQ™, the real time visual analysis engine sends data to a separate learning component. Periodically, this learning engine is activated and analyzes this data. The learned information is then sent to a filter that modifies the real-time detections with the new updates.

This approach has advantages, including: The onsite training is local, and does not expose sensitive data outside the customer's environment. And, the mechanism is always active, so the system adjusts itself to changing environments and situations automatically – for example, summer versus winter.

Contact viisights today to learn more about how wise IQ™ Behavioral Recognition Video Analytics with viisights IQ™ can help you make your facility safer and more secure.