

VIOLENCE AND WEAPON DETECTION FOR VIDEO SECURITY APPLICATIONS

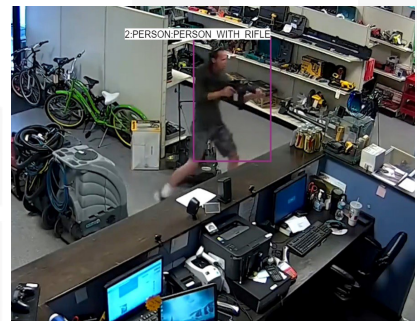


Overview

Conventional imaging and analytics solutions can detect fundamental events such as a person in the room or the presence of an object. However, conventional systems lack the ability to understand objects' behavior and the context required to recognize and predict upcoming or ongoing behavioral events (e.g. violent activity, suspicious activity).

viisights behavioral analytics, through the power of Artificial Intelligence (AI), machine learning, and deep learning, can recognize a person-holding-a-weapon in both threatening and unthreatening positions. viisights provides a powerful Weapon Detection solution that can also function as a complement to an audio shot detection system that triggers only after shots are being fired.

The presence of the weapon alone, not being held by a person, would not trigger an alert, but will when brandished or prepared for use. The behavioral analytics detect the combination of the position and the existence of the specific weapon, helping to eliminate false alarms.



Intelligent Video Behavioral Recognition Analytics Detect and Help Prevent Violent Activities... and More

viisights ability to automatically detect abnormal behaviors and/or events can initiate immediate remedial action via alert notifications to authorized personnel – effectively helping to thwart potentially threatening incidents from escalating. This unique ability to detect behavioral-related situations and dispatch first responders in all but real-time greatly reduces response times to potential and active events, which can help to better protect people, property, and assets and minimize exposure to liabilities.



viisights behavioral analytics makes decisions based on a sequence of images in a sliding window, not based on a single frame. This method of analysis helps to dramatically reduce false alarms, increasing detection accuracy and effectively increasing personnel efficiency while lowering operating costs. Eliminating false and nuisance alarms also allow security, safety, and operations personnel to focus on real events of interest and other services they otherwise would not have the time to provide.

viisights behavioral analytics are infinitely scalable to accommodate even the largest, and smallest, video networks. Any number of cameras can be implemented and added at any time.

Contact us to learn more about how viisights' powerful AI-driven violence detection analytics provide a powerful, fully automated solution to proactively detect and help prevent violence from escalating – and keeping people safer even before a shot is fired.

About viisights

viisights is a leading innovator of behavioral understanding analytics for real-time video intelligence. The company provides AI-powered software for safe and smart cities, enterprises, campuses, banks, financial institutions, critical infrastructures, transportation hubs, industrial/manufacturing facilities and shared and autonomous mobility. viisights' mission is to leverage artificial intelligence technologies that facilitate human-like pattern prediction to create fully autonomous video intelligence systems.