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VIDEO ANALYTIC MONITORING

Video analytics help you maximize the full value of security video by cutting down on false alerts, aiding in the prevention of incidents or crime rather than reacting to them, and providing useful data to a wide array of industries through object counting,

WHAT ARE VIDEO ANALYTICS?

Your video surveillance system is only as useful as the incidents you can actually capture and watch, and video analytics will help you find them. Video analytics take the guess work out of watching and reviewing surveillance video and capture the full value of your cameras by detecting and alerting to potential criminal activity. Video Analytics transform your camera system into intelligent, proactive sensors.

Using video analytics, end users can set up individual cameras to categorize events based on predetermined zones and rule sets. This allows each camera to classify objects within its field of view and generate alerts based on a customizable arming schedule.

Although server-based analytics are available, TriCorps' line of video content analytics reside on the "edge", meaning the analytics are processed at the camera level, or the "edge" of your network. As technology advances and we have more and more connected devices, there is a growing importance to analyze data at its source to prevent a "pileup" of uncategorized operational data. The benefit of edge analytics translates to you in the form of accurate, useful, and efficient information, without the expense of high-priced servers.

WHY ARE VIDEO ANALYTICS IMPORTANT?

Video analytics is a powerful tool to detect and combat theft and other criminal activity while reducing the time-consuming and costly impacts of false alarms. Traditional surveillance systems are reactive to an incident; video analytics, paired with TriCorps' 24/7 Command Monitoring Center and team of professional operators allows your surveillance system to be proactive, stopping crime before it happens.

WHAT WE PROVIDE:

TriCorps' team of seasoned technical specialists will install and configure our intelligent cameras for you. Once installed, our technical specialists gather camera-specific information to program and optimize picture quality, configure analytic capabilities, and set up system alerts.

For residential and commercial projects that need a higher level of security than a traditional intrusion detection system can provide, TriCorps' Command Monitoring Center allows you to get all the benefits of 24/7 video analytic monitoring at a fraction of the cost.

Perimeter Protection

Our analytics can accurately detect intruders in sterile zones without generating false alerts due to environmental changes, moving foliage, or birds and animals. Airports, parking garages, gas and oil refineries, industrial complexes, power plants, prisons, train stations and military establishments are just a few of the locations where it could be critical for security personnel to know that unwanted visitors are attempting to gain access to a restricted area. Not to be confused with VMD (Video Motion Detection), which works on the basis of detecting changes in the light scales of pixels within a video image, video analytics provide a far more sophisticated, reliable and accurate solution.

Camera Tamper

Video analytics can automatically detect if a camera is moved, de-focused, covered or tampered with in any way. These analytics are also able to detect slight changes that may impact performance and inform the operator via an alarm within seconds of the detection.

Night Security

TriCorps' analytics are self-adjusting for maximum sensitivity in low light conditions and seamlessly integrate with thermal cameras for the ultimate detection capability in complete darkness. Our cameras are also infrared capable, using infrared light at night to generate a black and white image. Most security events happen in low light or dark conditions, so it is important that a security system is capable of operating equally well in both day and night conditions.

Data Mining

In forensic analysis mode, video analytics enable rapid, accurate post-event forensic search. Take a video scene, add the rules and run the video, alarm events will be displayed to ensure post-event analysis is fast and accurate.

Remote Monitoring

In our state-of-the-art Command Center, TriCorps' operators identify suspicious activity and when appropriate, dispatch a roving security guard or quickly report the incident to emergency services.

Object Counting

Advances in technology have made it possible for businesses to obtain highly accurate information on the number of people who enter their premises to use their facilities. This technology eliminates the need for staff with clickers, unreliable pressure sensitive mats, inaccurate beam counters or expensive thermal imaging counters.

Airports, bus and train stations, bars and clubs, car parks, retail stores and shopping malls, museums and tourist attractions, sports stadiums and leisure facilities are just some of the environments video analytics can offer a cost effective, robust and highly accurate people counting solution.

Retail

Doing more with less staff, increasing customer satisfaction by minimizing delays at check-outs, and identifying the best times and locations for product promotions, are just a few of the goals which can be achieved with very little effort with the help of cameras featuring video analytics. This data can provide an invaluable insight, for example, into how much time customers spend in particular aisles or how long they are in line to pay for items.

Transport

TriCorps' video analytics can automatically detect parking and traffic contraventions, saving valuable staff time and preventing dangerous situations. For example, no-parking zones can easily be marked on camera images, sending an alert to the operator whenever a vehicle has stopped in these areas.

For more information, contact us at 405.621.9006
or email us at info@TriCorps.com

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