

NiceVision® Vehicle Detection

SMART VIDEO
PROVEN VALUE



ENSURING THE STEADY FLOW OF TRAFFIC AND REVENUE STREAMS

The real-time detection of abandoned vehicles on the shoulders of toll ways or illegally parked cars along the perimeter of restricted-access facilities is a challenge that requires intelligent surveillance solutions that provide comprehensive, fail-safe capabilities.

Beyond the obvious security concerns posed by a suspiciously parked automobile is the issue of preserving the operational integrity of public infrastructures that rely upon the steady and unhindered flow of traffic to maintain their bottom line. A stalled car alongside a narrow entranceway to a toll road can cause significant slowdown of traffic, translating into hundreds of frustrated commuters and a critical reduction in revenues. Vehicles parked suspiciously in a loading zone of an industrial complex or in a driving lane of a municipal parking lot inevitably result in reduced public access or even in costly shutdowns. And in an age where every busy government agency, foreign embassy, and mass transportation terminal are at risk of being targets of foul play, the need to keep human and vehicle traffic flowing smoothly and safely is paramount.

OVERCOMING MONITORING MONOTONY: THE DIGITAL SURVEILLANCE CHALLENGE

Detecting abandoned vehicles or illegally parked cars in high traffic settings or security conscious environments through the auspices of digital video CCTV monitoring systems is an efficient and effective means of assuring 24/7 surveillance, but serious concerns still linger:

Staring for hours at multiple monitors feeding mostly static images of perimeter walls and fences or the steady flow of vehicles onto crowded toll way entrances is bound to challenge the attention span of even the most well trained security officer. Add to that objective conditions such as darkness or inclement weather and the problem is compounded. As the number of cameras and CCTV monitors deployed across a digital surveillance network increases, the ability of security personnel to effectively scan video images and get security actually insights actually decreases, due to information overload.

If security personnel are expected to make well-informed decisions and respond to events in real time, the need for a more intelligent system that enables accurate, spur-of-the-moment detection of abandoned or suspicious vehicles is crucial.

And that's exactly where the NiceVision® solution for Vehicle Detection comes clearly into view.

NiceVision®: CREATING CLARITY IN THE CLUTTER

Widely regarded as one of the leading players in the development and deployment of comprehensive digital CCTV systems for proactive security management, NICE Systems presents a compelling solution for real-time vehicle detection that promises to transform the manner in which this critical issue is addressed. Leveraging nearly 20 years of experience in digital recording, NiceVision®, the company's flagship digital video solution, generates insight from multimedia interactions to enhance security, drive system performance and maintain revenue streams.



THE NICE ADVANTAGE: NiceVision® VEHICLE DETECTION

The NiceVision® smart video solution presents high-risk facilities with a wealth of functional features and benefits that launch CCTV-driven vehicle detection to a higher level of effectiveness:

- **On-the-spot event recognition** – identifies suspicious vehicles illegally parked in perimeter security zones or cars parked alongside a major traffic artery, within moment's of the event's occurrence
- **Effective traffic monitoring** – Monitors and records toll-way access in real time, providing early detection of traffic problems caused by disabled vehicles and accidents and enabling a swifter response and resolution
- **Real-time alert** – automatically triggers a visual and audio alarm of the suspicious vehicle in question, pinpointing the exact location of a potential traffic/security problem onscreen
- **Instant automatic investigation (Scenario Reconstruction)** – security personnel can instantly access all the events that led up to the specific alert by clicking on the object and assess the nature of the problem
- **Supplementary eyes** – crosses the divide between increased monitoring coverage from multiple live feeds and the reduced abilities of security personnel due to information overload. A vehicle alert will pop-up automatically even if the relevant camera is not displayed on the monitors
- **From detector to decision-maker** – transforms the role of surveillance personnel by enabling them to focus their energies on event assessment, verification and reaction, leaving the majority of monitoring tasks to the automated system
- **OPEX savings** – NiceVision® eliminates the need for hiring additional eyes to staff your CCTV network, representing ongoing savings in yearly operational expenditures
- **Excellent ROI** – evacuating public/high risk facilities or ordering the temporary shutdowns of roads, transportation terminals and parking lots translates into millions in lost revenues. NiceVision® enables a higher level of public safety and free-flowing traffic by eliminating the mayhem, embarrassment and exponential costs caused by false alarms and providing security personnel with useful, real-time tools to make accurate and informed decisions.

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