



# American Dynamics Video Intelligence Analytics



## Key Features

- Smart search days of video in seconds to speed forensic investigations
- Narrow search results based on object size, duration, direction, sensitivity, and color
- Add analytic licenses to any video input including analog, IP, or thermal cameras
- Add up to 16 channels for video intelligence with the Tyco Analytics Appliance

## Add Valuable Intelligence to Streamline Automation

Video Intelligence Analytics are uniquely bundled into VideoEdge NVRs and can be integrated with video management software to greatly improve the efficiency of security personnel and daily business operations. By simply allocating an analytics license to a camera, the NVR will immediately begin collecting behavioral metadata for indexing and filtering. Metadata can also be used for reporting and triggering alarms to streamline processes and augment overall productivity.

Efficiently create and analyze system data from across video, access control, and intrusion integrations with the data visualizer feature. Convert large amounts of information into easily digestible charts or graphs, providing new business intelligence.

## Ensure Reliability and Business Continuity with a Cybersecurity Program

VideoEdge NVRs have been designed to be resilient against cyber threats. This solution includes a security audit page that allows administrators to quickly determine if the proper levels of protection are applied. Access to victor's critical functions, including privacy related data, can be tightly controlled from a centralized location with built-in support for user account management via Microsoft Active Directory. The VideoEdge NVRs and victor VMS adhere to the rigorous standards of the Tyco Cyber Protection Product Security Program. The holistic approach to cyber protection is aimed at providing peace of mind to our customers. Our security mindset begins at initial design concept and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

## Video Intelligence Features

Rules	
Crowd Formation	Select a region of interest, and when a crowd of a certain size forms an alert can be raised. Improve responsiveness to "flash mob" and other multiple offender crimes.
Direction	Get visibility to critical situations such as individuals driving the wrong way in a parking lot, vehicles crossing the security checkpoint in the wrong direction, or track the overall movement of visitors throughout a location.
Dwell	Automate data collection that measures how much time visitors and personnel spend in specific areas to better understand the flow of traffic.
Enter	Count objects or people entering a specific area at different times.
Exit	Count objects or people exiting a specific area at different times.
Linger	This rule can be used in many settings to determine if people are staying in certain areas for suspicious/non-permissible periods of time (e.g. bank lobbies).
Perimeter	Monitor a custom area of interest by receiving an alert whenever an object breaches or approaches a designated boundary. Ideal for tracking activity around a restricted area.
Object Abandoned/Removed	Abandoned objects can be a huge concern, particularly in places such as airports, train stations, or other high-traffic areas. This rule can detect changes in a scene or region of interest and immediately alert users. The analytic can also spot activity such as a thief installing a skimmer on an ATM, an unauthorized person removing artwork from a display, or a vandal writing graffiti on a wall.
Object Detection	This multi-purpose rule can be used for monitoring perimeters, zones, and tripwires by alerting operators when something out of the ordinary is in a designated field of interest.
Queue Analysis	Use this rule to sound an alarm when a line gets too long. Analyze the data to pinpoint times during the day when lines are empty, short, medium or long to better manage cashier lines, toll lanes, etc.
Capabilities	
Color Filtering	Hone in on objects or people by searching video based on color attributes. For example, quickly find a red truck or a person wearing a green sweater.
Heat Mapping	Easily identify traffic patterns and trends to improve promotional activities and security visibility.
Point of Sale (POS)	Flag POS transactions when no customer is detected at the terminal. Create alarms based on pre-defined text or sales values that can be used to review video associated with suspicious activity.
Tripwire	Used to count the number of people that cross a region of interest. People are counted going in and out.

## Configuration Settings

Setting	Description
Analytics Stream Resolution	Video Intelligence can process resolutions up to 1920x1080. The higher resolution will increase the range to detect objects, but will use more NVR resources.
Minimum Object Width/Height	These two settings determine the minimum size for objects that Video Intelligence will detect and track in the scene ranging from 3-10 pixels. A smaller setting can be used to detect objects farther away from the camera while a higher value will help avoid false positives from small changes.
Compensate for Camera Motion	The camera must be placed in a fixed position, however small variations can occur due to vibration or shaking. Adjust this setting to compensate for small amounts of movement, however it will require additional server resources.
Look-Down	If you are using a ceiling-mounted camera that views directly down, this setting will improve results.
Image Sensor Type	VideoEdge NVRs will automatically determine the type of sensor, such as thermal or visible cameras, in the majority of cases. This setting can be used to force one type or the other if needed.

## Ordering Information

Model Numbers	Description
ADVEVAC01	VideoEdge Add-on, 1 Video Analytics License (includes all Video Intelligence rules), per camera
ADVC-CENTLIC	victor Professional Centrally Managed VideoEdge IP Camera Connection License - Single Camera License

---

## Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit [www.americandynamics.net](http://www.americandynamics.net) or follow us on Facebook, Twitter, and LinkedIn.