



Overview

IntelliVision has the widest offering of AI and Deep Learning-based Intelligent Video Analytics products in the market today. These core products form the basis for all of IntelliVision's analytics product line, automating video analysis and security alerts, and reducing the need for manual monitoring.

IntelliVision's video analytics products add the "brains" (analytics) to the "eyes" (cameras) by analyzing video content in real-time, extracting metadata, sending out alerts and providing intelligence to other security systems. Video analytics can be integrated in-camera, on-premise servers, and/or on-cloud. They are able to extract just the valid motion in a scene, filtering out noise such as lighting changes and animal movements.

Key features include object classification – human/pet/vehicle, intrusion detection and line crossing, people/vehicle counting, object left/removed and video summary.

Benefits

IntelliVision's Intelligent Video Analytics suite provides many benefits:

- No false alarms as lighting changes and animal/ tree movements are filtered out
- Real-time alerts and start/stop commands to DVRs and NVRs
- Highly efficient video analytics can run on a variety of cameras and platforms
- Video summary can reduce a long archived video to a manageable video with just actual events
- Improves security, increases productivity and efficiency of security professionals



Features

IntelliVision's Intelligent Video Analytics suite includes the following products and features:

- **Video Motion Detection.** Detects valid motion, filtering out noise such as lighting changes and tree/animal movements.
- **Object Classification.** Detects and classifies an object as a Human, Vehicle, Pet, or other. Reduces false detection from non-security related objects.



- **Camera Tamper Detection.** Detects any attempt to tamper with the camera, partially or completely blocking its field of view, or drastically changing the camera angle.
- **Line Crossing.** Detects a moving object which crosses the defined line. Entry/exit direction can be defined and line drawn in any direction.
- **Intrusion Detection.** Provides automated perimeter monitoring and secure area protection.
- **Loitering.** Detects when a person has been in a specified area for more than a specified time.
- **Object Left/Removed.** Detects when an object has been left unattended for too long and is not part of the normal scene, or when an object is removed.



- **Video Counter.** Counts people, vehicles and other objects. Generates comprehensive reports on people and vehicle traffic patterns.
- **Video Summary.** Reduces a long archived video to a short, manageable summary with actual events.

Applications

Intelligent Video Analytics can be used for:

- Home security systems
- Enterprise, commercial and critical infrastructure security
- Urban and public area monitoring
- Law enforcement and transportation
- Airports, ports, maritime and government institutions

Platform Specifications

Intelligent Video Analytics are available in the following forms:

- SDK for embedding in cameras with video chipsets from Ambarella, Qualcomm, HiSilicon and others
- Software application and SDK running on Intel-based servers
- Cloud-based web services running on public or private cloud

About IntelliVision

IntelliVision is a market leader in AI and Deep Learning-based video analytics and video cloud software for Smart Cameras. IntelliVision solutions provide actionable insights for security and monitoring in Smart Home/Enterprise/City and Retail applications. IntelliVision's Advanced Driver Assistance Systems (ADAS) improve car and road safety in automobiles. IntelliVision is a privately-held company with headquarters in San Jose, California and offices in Asia and Europe.

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