



Securing the Home

With Smart Video Camera Analytics

Home Security

Object Tracking

Pet/Baby Monitoring

## Overview

The advent of affordable, IP-enabled security cameras for the home has provided homeowners with new possibilities to secure and monitor their home. But no-one has the time to monitor a continuous video feed. IntelliVision's video analytics software, running in the camera itself, monitors for events and provides actionable insights to homeowners, giving them control over which alerts to receive and when. A truly Smart Home solution

IntelliVision's AI and Deep Learning-based Smart Home/IoT solution consists of a number of products that address different facets of home security, such as:

- Security, through doorbell and perimeter cameras
- Home asset protection
- Baby monitoring
- Pet watching
- Etc

IntelliVision is an industry leader in Intelligent video analytics, running in over 4 million cameras world-wide, including some of the biggest names in home security.



## Benefits

IntelliVision's Smart Home/IoT solution provides the following benefits:

- Video doorbell cameras can monitor and distinguish between people, pets and objects
- Fewer false alarms as lighting changes and animal/tree movements are filtered out
- Objects and packages on the doorstep can be tracked whether left or removed
- Audio analytics can make use of camera's audio channel
- Analytics can be run in the camera or in the cloud
- Facial recognition available to add extra value
- Support for video chipsets from Ambarella, Qualcomm, HiSilicon and others
- Over 125 patents to ensure the solution's legal safety
- State-of-the-art Deep Learning-based algorithms with small footprint for low-power embedded platforms

## Home Security

IntelliVision's intelligent video analytics are running in millions of smart video cameras, helping to secure homes across the world. These are some of the features that make IntelliVision the number one choice for camera makers:

- **Human Detection.** As soon as a person comes within the camera's field of view an alert can be sent.
- **Intrusion Detection/Line Crossing.** Automated perimeter monitoring. Detects a moving object which crosses the defined line.
- **Facial Detection.** Faces can be scanned and recognized from a database. Can include family members, friends, carers, etc.
- **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.
- **Video Search/Summary.** Stored video can be quickly scanned or searched for events



## Pet and Baby Monitoring

A lot of pet owners go out to work all day and can't afford to have someone come in and check on their pets. IntelliVision's pet watching application allows owners to monitor their pets remotely and only receive alerts when Fido does something he shouldn't. Like unrolling the toilet roll. Again.

Babies can be monitored for movement and crying or lack of.

- **Pet Detect.** Pets can be detected and distinguished from humans or other objects.
- **Lack of Movement.** Detect when a pet has stopped moving.
- **Baby/Child Monitoring.** Monitor children's rooms for human activity, light on/off.
- **Audio Monitoring.** Monitor for baby crying, dog barking, smoke/fire alarm, shouting, doorbell ringing.



## Object Tracking

IntelliVision's video analytics can scan the scene in a camera and detect when objects are left or removed.

- **Object Classification.** Detects and classifies an object as a human, vehicle, pet, or other. Reduces false detection from non-security related objects.
- **Object Removed.** Detects when an object that is part of the normal scene is removed.
- **Object Left.** Detects when an object has been left unattended and is not part of the normal scene.



## 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/Retail applications. IntelliVision is a privately-held company with headquarters in San Jose, California and offices in Asia and Europe.

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