



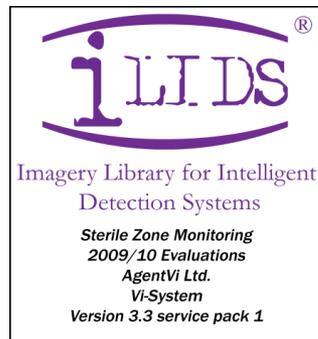
# Agent Video Intelligence

*Comprehensive Video Analytics Solutions*



# About Agent Vi

- Founded in 2003, **Agent Vi is the leading provider of open architecture, video analytics software**
- Agent Vi's video analytics solutions:
  - Cover a wide range of video analytics functionalities
  - Are fully integrated with a range of third party edge devices and video management systems
  - Can be applied to existing or new video surveillance systems
  - International recognition (UK Home Office Scientific Development Branch)



- Vi-System is i-LIDS® approved as a primary detection system for operational alert use in sterile zone monitoring applications

# savVi™ - The Next Generation Video Analytics Platform

savVi is Agent Vi's unified video analytics software solution that offers multiple applications:

## 1. Real-Time Detections and Alerts

Defining events and scenarios and receiving real-time alerts when such events are detected

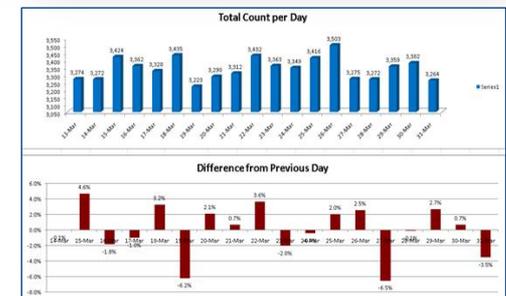
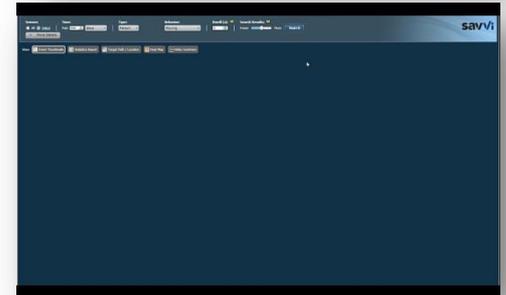
## 2. Video Search

Searching through recorded video after an incident to pinpoint specific video footage

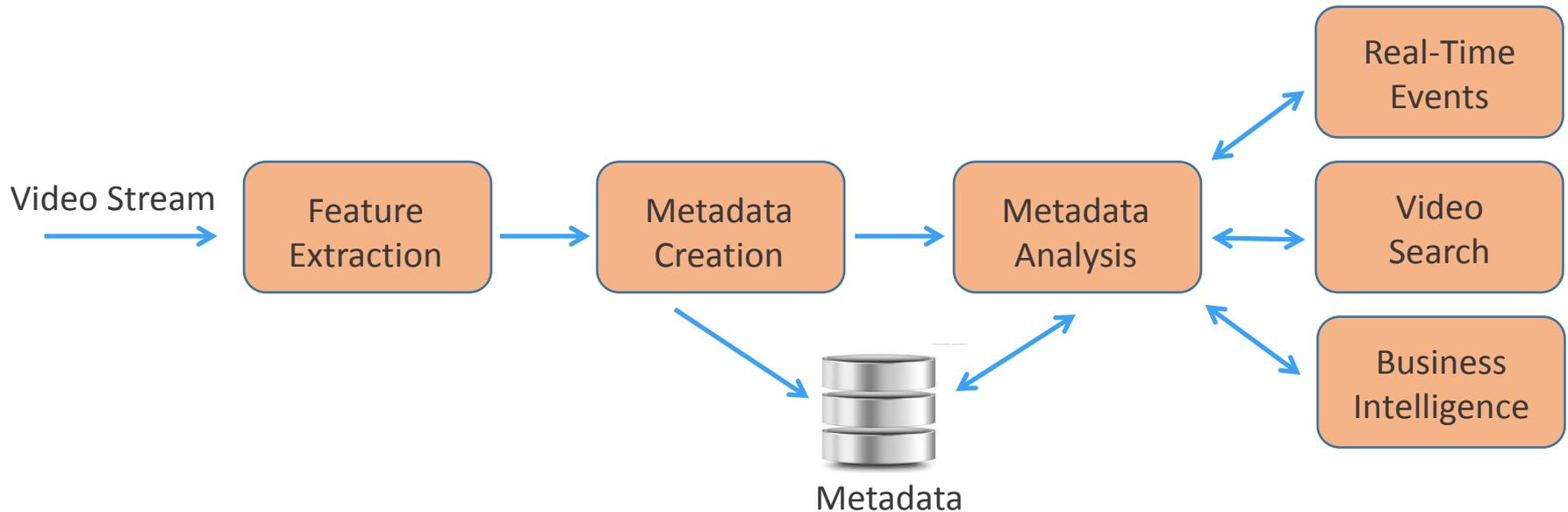
## 3. Business Intelligence

Analyzing video footage and generating statistical reports from the data collected within the video

- The applications can be employed simultaneously

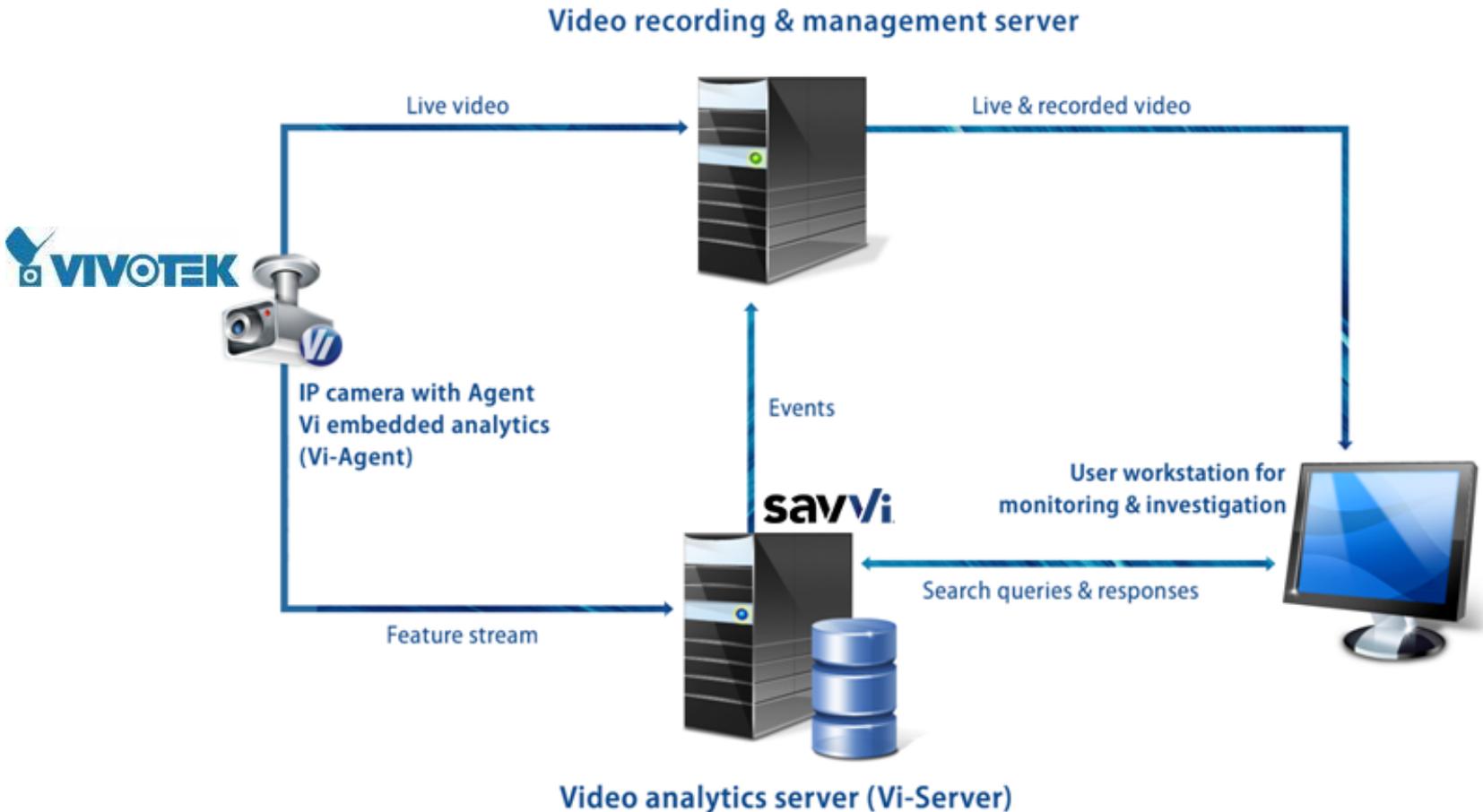


# The savVi Analytics Pipeline



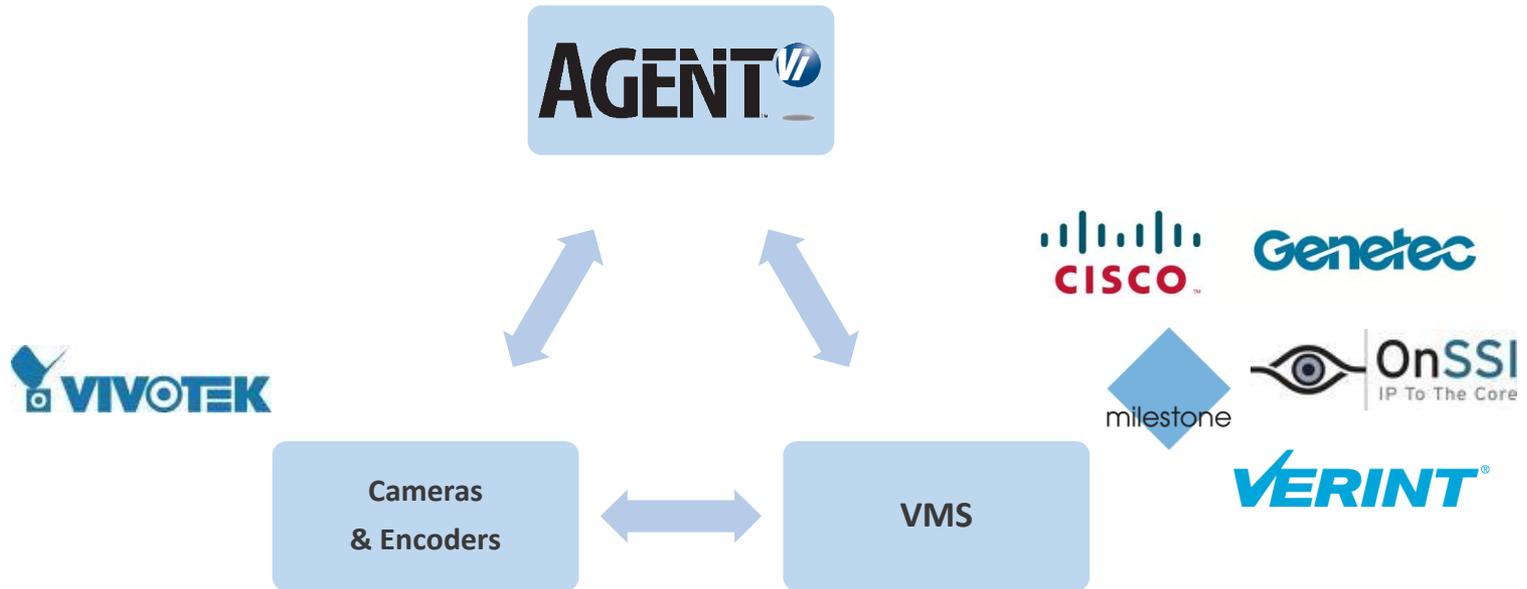
- **savVi analyzes the video stream** by extracting key image attributes called **features**
- These features are further analyzed to create **metadata** which holds information about the entities in the processed video frame
- savVi then performs **metadata analysis**, which can take place immediately following metadata creation to produce real-time events, or can be activated on demand to enable video search and business intelligence capabilities

# Product Architecture – Optimized Offering



**Highest camera-to-server ratio: 200 cameras / server**

# savVi: Technology Ecosystem



- Agent Vi's solutions integrate with market leading cameras and video management systems (VMS), allowing users to deploy a best-of-breed system that best fits their requirements

# savVi

## Real-Time Video Analysis & Alerts



# savVi: Real-Time Detections & Alerts

## Highlights:

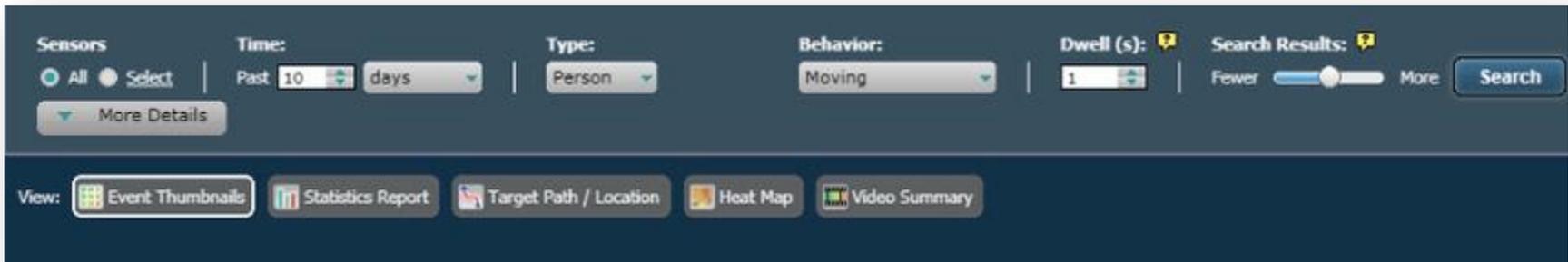
- Unlimited **combinations of analytics detection rules** on an unlimited number of cameras (**Fixed, PTZ and thermal cameras**)
- Complex detection scenarios **combining or linking detection rules from multiple cameras**
- **Innovative “Rule Test”** for automatic validation of detection accuracy in the installation phase
- **Camera tampering and inferior quality video alerts**
- Detects in **all environments** (indoor and outdoor), **weather & light conditions**
- **High probability of detection (POD) and low false alarm rate (FAR)**

# savVi: Real-Time Detections & Alerts

<b>PERSON</b>	<b>VEHICLE</b>
Moving in an area	Moving in an area
Crossing a line	Crossing a line
Tailgating	Tailgating
Loitering	Stopped vehicle
Crowding	Speed analysis
Occupancy	
	<b>STATIC OBJECT</b>
<b>PTZ</b>	Suspicious object
Multiple rules on presets	Asset protection
Autonomous PTZ target tracking	Lighting detection

# savVi: Video Search

- savVi offers a **complete video search and analysis solution**, which undertakes **automatic and effortless retrieval and analysis of recorded video to rapidly access specific video segments** buried in the vast amounts of recorded video
- Users define search queries via an extensive set of **intuitive search parameters and filters**, and subsequently receive search results in a variety of formats covering different functionalities



# savVi: Video Search

## Highlights:

- **Automates search and analysis process to enable leveraging of stored video**
- **Dramatically reduces the time** required for locating relevant video footage during an investigation, **replacing labor-intensive, manual search**
- **Extensive** range of **search parameters and filters**
- **Versatile visualization displays** that minimize video viewing time
- Rapid results: **Searches 24 hours of video in a few seconds**
- **Simultaneous search** on stored video from multiple cameras
- **Easy export** of specific video segments and reports as stand-alone files
- **Offline search capabilities** – Pre-recorded video clips from any source (VMS, DVR, NVR) can be imported for search and analysis, with offline analysis conducted at speeds of up to x30

# savVi: Video Search

savVi offers an extensive set of search parameters and filters, including:

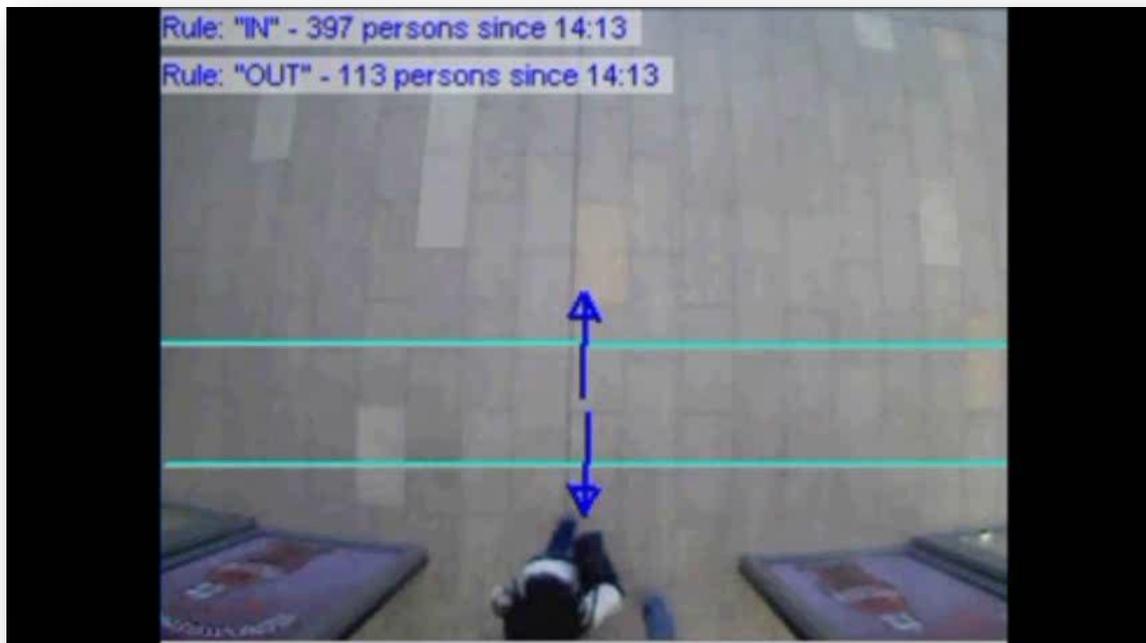
- **Target Type** – People, Vehicles, Static Objects
- **Event Type** – Moving, Stationary, Crossing a Line, Occupancy, Crowding
- Filter by **Color**
- Filter by **Size**
- Filter by defined **Time Ranges**
- Search on **selected cameras** or group of cameras
- Search for **Similar Targets** – Once a target is observed, a simple search can be conducted to locate additional appearances of the same / similar target in the recorded video

The screenshot displays the savVi search interface with the following settings:

- Sensors:** All (selected), Select
- Time:** Past 999 days
- Type:** Person
- Behavior:** Moving
- Dwell (s):** 0
- Search Results:** Fewer (selected), More
- Search Button:** Search
- Less Details:** (toggle)
- Time Range:** Start: 3/18/2014 18 : 4 : 6, End: 3/19/2014 6 : 4 : 6
- Color:** Red (selected), All (dropdown)
- Use Time Range:** (checkbox)
- Use Recurring Time:** (checkbox)
- Include:** (radio button)
- Exclude:** (radio button)

# savVi: Business Intelligence

- savVi empowers organizations with **business intelligence capabilities** by **transforming surveillance cameras into data collection devices**
- savVi offers **automated statistical analysis about the behavior of people and vehicles**, enabling effortless extraction of operational data from surveillance video



# savVi: Business Intelligence

## Highlights:

- **Accurate, wide-ranging statistical data related to people and vehicles**
- **Multiple viewing options** for statistical analysis of traffic volumes (people / vehicles), including **numerical charts** and user-friendly **graphs** to enable **traffic comparisons, aggregates and identification of traffic trends**
- **Advanced visualization options of heat map and target path** to analyze **movement trends and motion patterns**, enabling effortless comprehension of hot / cold traffic zones and dominant traffic paths
- Easy **exporting of raw data** for further analysis or integration with other systems

# Contact Agent Vi

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