



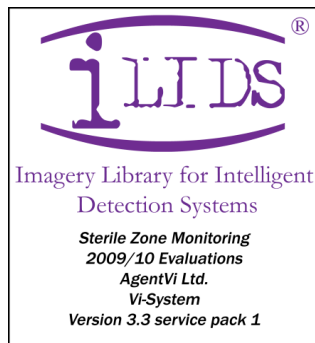
Agent Video Intelligence

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

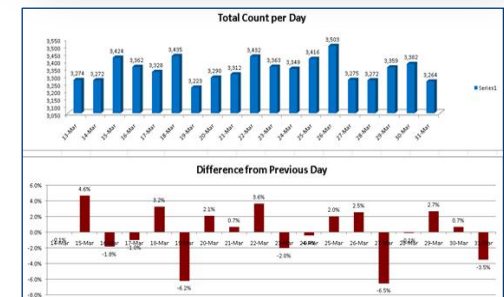
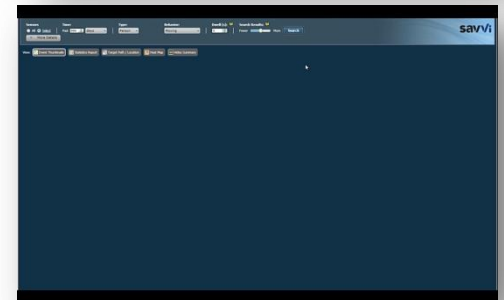
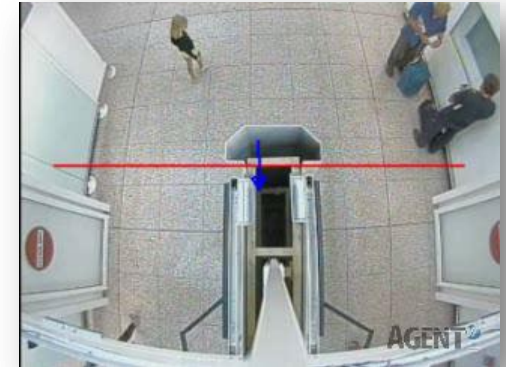
2. Video Search

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

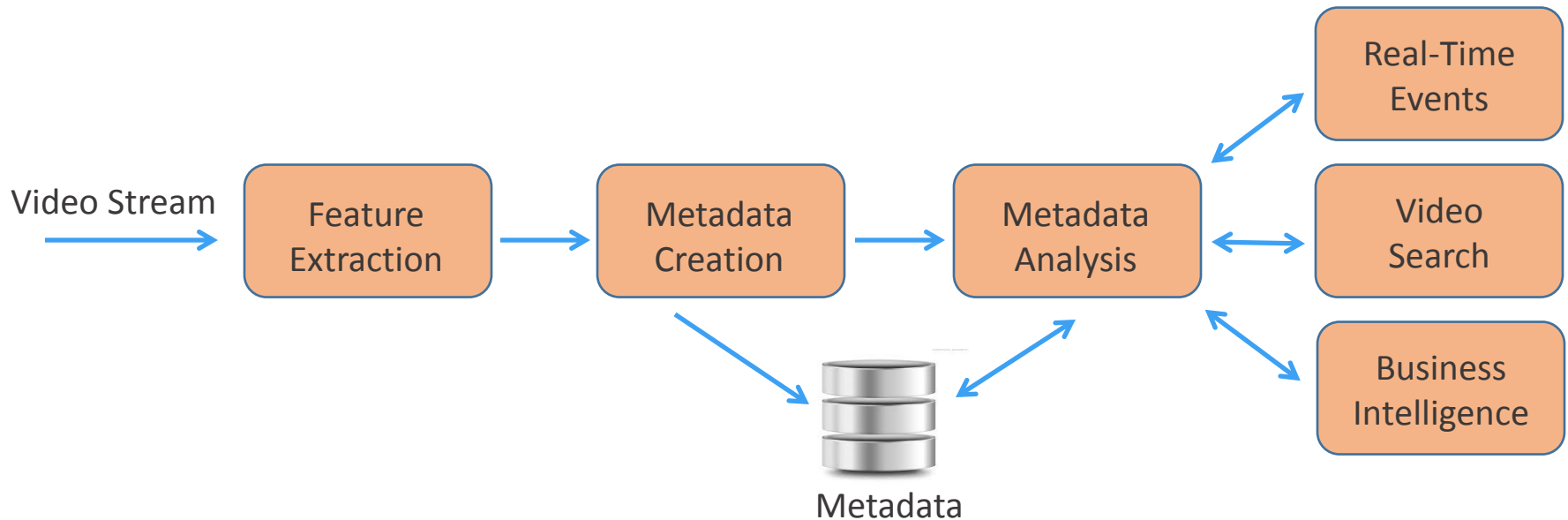
3. Business Intelligence

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

- The applications can be employed simultaneously

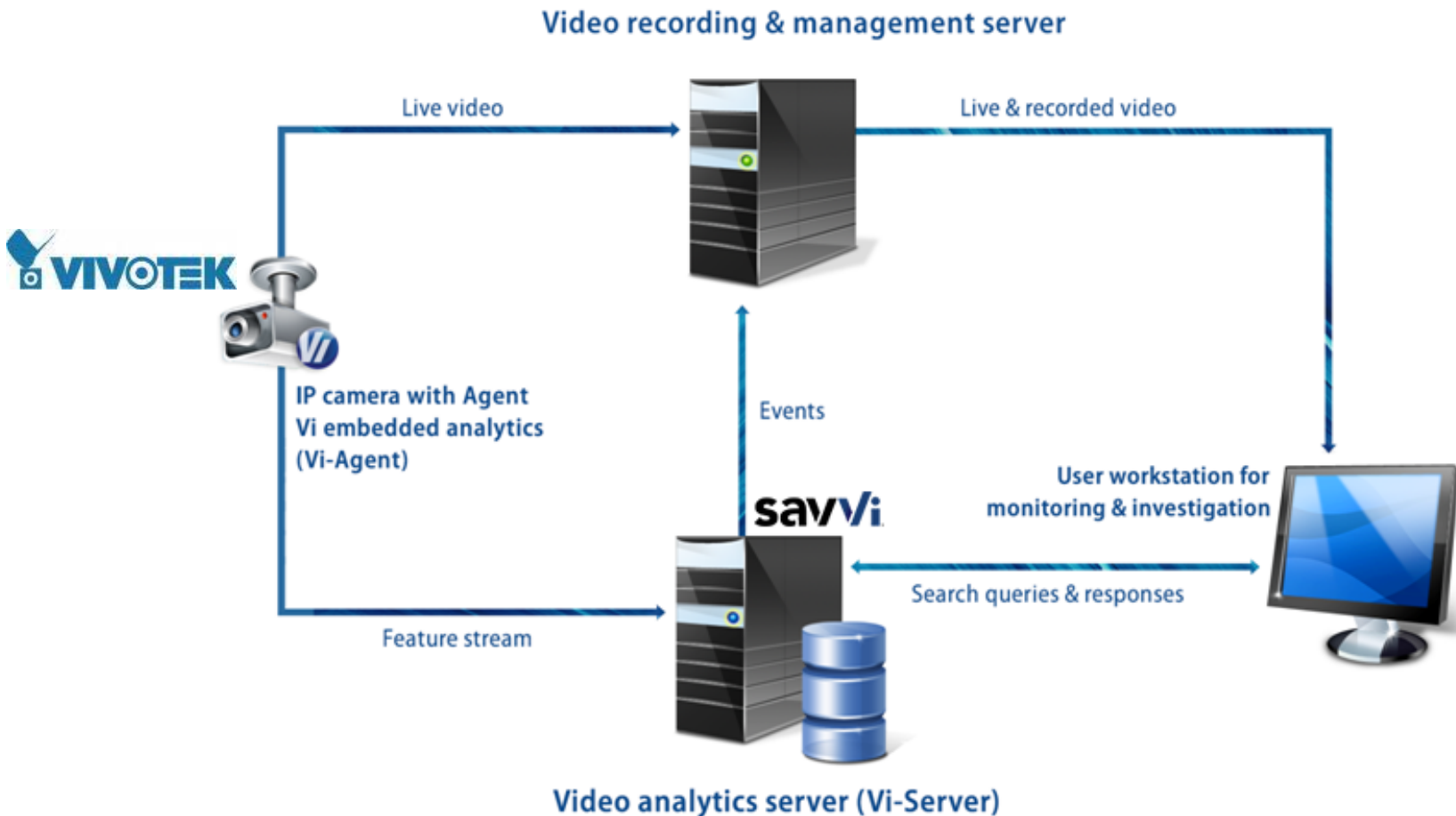


The savVi Analytics Pipeline



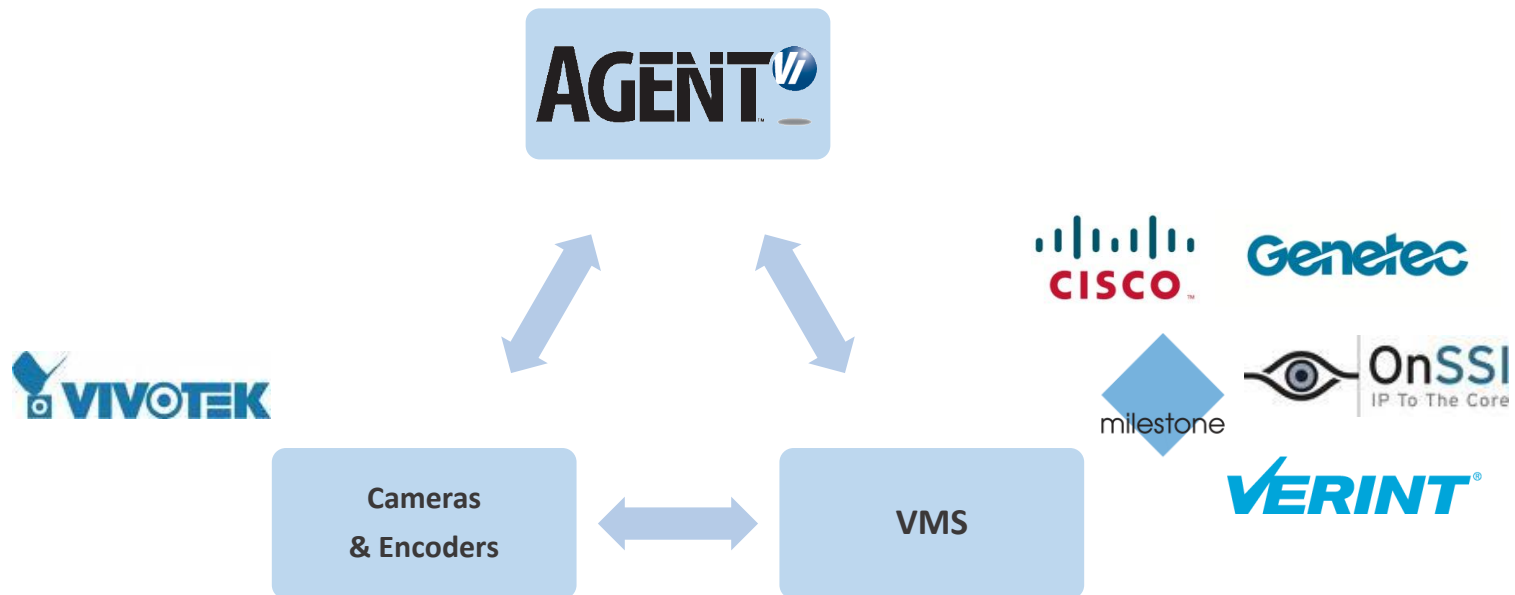
- **savVi analyzes the video stream** by extracting key image attributes called **features**
- These features are further analyzed to create **metadata** which holds information about the entities in the processed video frame
- savVi then performs **metadata analysis**, which can take place immediately 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

PERSON	VEHICLE
Moving in an area	Moving in an area
Crossing a line	Crossing a line
Tailgating	Tailgating
Loitering	Stopped vehicle
Crowding	Speed analysis
Occupancy	
	STATIC OBJECT
PTZ	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

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

- Sensors:** Radio buttons for 'All' and 'Select', and a 'More Details' button.
- Time:** A dropdown menu set to 'Past' with a value of '10' and a unit of 'days'.
- Type:** A dropdown menu set to 'Person'.
- Behavior:** A dropdown menu set to 'Moving'.
- Dwell (s):** A dropdown menu set to '1'.
- Search Results:** A slider between 'Fewer' and 'More' with a 'Search' button.
- View:** A row of buttons for 'Event Thumbnails' (selected), 'Statistics Report', 'Target Path / Location', 'Heat Map', and 'Video Summary'.

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

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

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