



Comprehensive Video Analytics Solutions



savVi & Pan-Tilt-Zoom (PTZ) Cameras Functionalities, Licenses & Camera Mounting Information

savVi

savVi™ is Agent Vi's unified video analytics software solution. Among other functionalities, savVi offers real-time detections, transforming standard surveillance networks into intelligent and effective detection and alert systems. By performing real-time analysis of the video stream, savVi identifies and generates alerts for a variety of user-defined events relating to people, vehicles and objects. Used for applications such as security and safety, savVi's real-time detection functionality offers effective monitoring of multiple video sources in parallel, enabling automatic detections, alerts and responses to events, as they emerge.

PTZ Functionalities for savVi Real-Time Detections

Video Analytics is often employed on PTZ cameras for perimeter protection or sterile zone monitoring applications, to detect and/or track targets entering or moving in restricted areas.

There are two PTZ analytics functionalities available to savVi's real-time detections capability:



1. Real-Time Detections on PTZ Presets

This functionality enables detections in a preset position of a PTZ camera's tour. Detection of a target in a preset stops the PTZ camera's tour on that preset, and the camera remains in that preset until the detected target moves out of the preset's field of view. The camera then resumes its tour and moves to its next preset position.

Each PTZ preset position may be configured with any number of the following rules:

- Person moving in an area
- Vehicle moving in an area
- Person crossing a line
- Vehicle crossing a line
- Stopped vehicle
- Suspicious object

Furthermore, detections on PTZ preset tours allow for the configuration of multiple rules that can either be activated in parallel or according to a predefined schedule.

2. Autonomous Tracking

The PTZ Autonomous Tracking functionality locks a PTZ camera onto a detected moving person and keeps the target in the camera's field of view by controlling the camera's Pan, Tilt and Zoom. The tracking functionality performs autonomous PTZ tracking, meaning that the PTZ camera continuously tracks the moving target without manual interference. Initial detection is performed by a PTZ camera on a preset tour (see no. 1 above). Once the person is detected, the PTZ camera locks onto the target and performs autonomous PTZ tracking.

PTZ Monitor for Axis Edge Devices

When using Axis IP PTZ cameras or Axis encoders connected to analog PTZ cameras, the PTZ Monitor automatically disables the PTZ analytics functionality when the operator takes manual control of the camera. The PTZ analytics functionality resumes after the operator stops their manual control of the camera. The PTZ Monitor does not require a dedicated license.

Licenses & Technical Specifications for PTZ Analytics Functionalities

| SKU | PTZ functionality | Supported PTZ models |
|--------|--|--|
| SAVSET | Real-Time Events License – PTZ Presets (1 License per Camera) Enables multiple rule types for real-time events on PTZ presets: <ul style="list-style-type: none">• Person moving in an area• Vehicle moving in an area• Person crossing a line• Vehicle crossing a line• Stopped vehicle• Suspicious object | <ul style="list-style-type: none">• Axis Q60, P54 and P55 PTZ camera series (excluding P5544)• Axis Q74 encoder series connected to any analog PTZ camera with Pelco D support• Verint S1808e/S1816e encoder connected to any analog PTZ camera with Pelco D support (limited to one PTZ camera per encoder) |
| SAVPTZ | Real-Time Events License – PTZ Enterprise (1 License per Camera) Enables multiple rule types for real-time events on PTZ presets (as above) and Autonomous Tracking | <ul style="list-style-type: none">• Axis Q60, P54 and P55 PTZ camera series (excluding P5544)• Verint S1808e/S1816e encoder connected to Pelco Spectra 4 analog PTZ (limited to one PTZ camera per encoder) |

Camera Mounting Considerations

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|---------------------------------------|---|
| Recommended Camera Mounting Height | 4-12 meters / 13-40 feet |
| Required Target Size in Field of View | The height of the detected target should be 5-20% of the vertical dimension of the field of view for detection and tracking |