

# SPIDERNET

BY MIVTZAR 

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Feature-rich Dynamic Video Analytics Software Platform

02

Easy Integration with 3-rd Party VMS & Security Systems

03

16 Rules in 1 Channel,  
No Extra Payments

04

A Scalable Architecture To  
Installations of All Sizes

# Feature-rich Dynamic Video Analytics Software Platform

## > OPEN PLATFORM

- Analytic system based on an open architecture S/W platform
- Applicable to any video surveillance system
- Easy integration with 3rd-party VM platforms
- Easy integration with 3rd-party Alarm S/W

## > FAST IMPLEMENTATIONS

- Provides fast complete deployment
- Easy calibration without unnecessary setup and time-consuming
- Operates with an extremely low false alarm rate
- One of the most stable and reliable systems on the video surveillance market

## > ADVANCED ANALYTICS

- Real-time alerts
- 16 different rules and parameters for each separate camera (simultaneously)
- Wide range of video analytics features
- Real-time event detection based on rules
- Allows to select any exceptions from the rules

## > DISTRIBUTED ARCHITECTURE

- Based on a distributed architecture
- Architecture distributes video processing tasks between the edge device and the server
- Ensures the efficient usage of computing elements
- Low bandwidth
- Low total cost of ownership

## > OBJECT CLASSIFICATION

- Object detection and classification methods
  - People
  - Vehicle classes
  - And more
- An accurate and reliable classification of objects in quite complex conditions:
  - Rustling leaves on trees
  - Rain
  - Snow
  - And more
- The detection accuracy is constantly improving

## > SCALABLE SYSTEM

- Easily scalable
- Can be used with any number of video cameras

# Affordable Modernization Of Existing Systems

16 RULES IN 1 CHANNEL, NO EXTRA PAYMENTS

Upgrade Any Existing Security System In The  
Shortest Possible Time Without Any Extra Costs

## THE SYSTEM PROVIDES:

- Wide range of options for additional security
- Advanced functionality
- Easy integration with installed cameras
- Compatibility with all types of IP cameras (including analog ones)
- Does not require replacement of the existing infrastructure
- Advanced capabilities

### Operator WorkStation



### 3rd Party cameras



### SpiderNET AI Server



ETHERNET



### 3rd Party VMS



# Wide List 3<sup>rd</sup> Party Supported Cameras

## SPIDERNET

ONVIF compliant

Recording H264 from most available cameras on the market today

No ONVIF?  
Use RTSP as long as they support H.264

## COMPATIBILITY



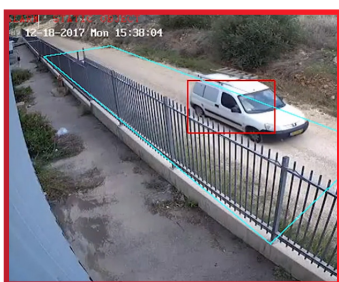
# One channel: 16 Rules

ONE PRICE FOR 16 RULES, NO EXTRA PAYMENTS



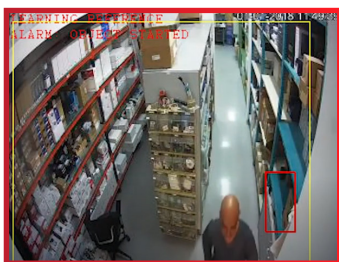
## CAMERA TAMPERING

Alerts when the camera's image has been altered: covered, blocked or 30% of the field of view moved or removed.



## OBJECT STATIC

The Static Object Alarm activates an alarm upon detection of a subject that remains in a same image position more than a user-specified time limit.



## OBJECT STARTED

Alert upon movement or displacement of an object from a group of objects present in the scene within a user-defined area.



## VMD

The VMD Alarm is activated whenever a subject is moving inside the detection zone.

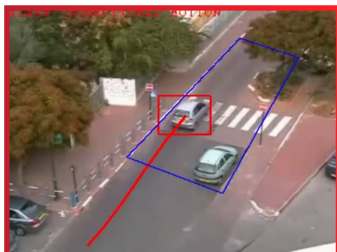


## PATH DETECTION

Detect and track movement of a person or vehicle between two defined areas. Creates a virtual fence line between two zones and detects a purposeful crossing.

# One channel: 16 Rules

ONE PRICE FOR 16 RULES, NO EXTRA PAYMENTS



## DIRECTIONAL MOTION

Alert upon and track objects moving in a user defined direction.



## PRESENCE

Alert on objects that appear suddenly in a user defined region of interest.



## SPEED

The Speed Alarm measures speed and activates an alarm whenever a subject or a vehicle violates the designated speed bounds between two zones.



## LOITERING

Alert upon and track people remaining in a user defined region of interest for a user specified time.



## AREA DETECTION

Detects queue formation at registers or other user's defined areas.

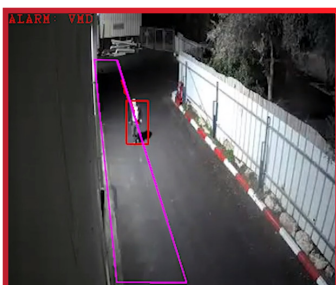
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## OBJECT REMOVAL

Alert upon displacement of any object that has been designated by the user as object of interest.



## MOTION DETECTION

Detects an increasing or decreasing number of moving objects (people) in a user's defined area. A maximum or minimum threshold must be exceeded for a specific period of time to trigger the alarm.



## RULE DEPENDENCY

An alarm will be triggered only when two of the selected rules have been violated within a predefined time frame and the chosen condition has been met.



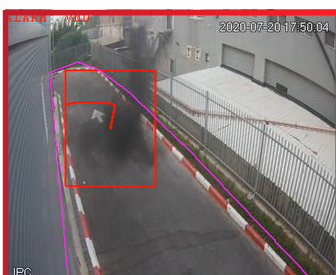
## CAR COUNTING

Counting the directional flow of vehicles passing through a user-defined area.



## PEOPLE COUNTING

Bi-directional counting of the flow of individuals and groups passing through a user-defined threshold or doorway.



## SMOKE DETECTION

Allows to quickly and reliably identify smoke.

# Applications

## Retail & Sales

- Shopping malls
- Business centers
- Stores / Supermarkets
- Gas and petrol stations
- Restaurants

## Security

- Airports
- Industrial facilities
- Banks

## Transportation

- Railways
- Public Transport

## SUCCESS STORIES

### BEIJING OLYMPIC GAMES

For the first time, the "Spidernet" system has proven at the Olympic Games in Beijing (2008). The system was selected to perform video analysis and analytics for security purposes. Since then, it has evolved and has today become one of the most stable and reliable systems in the world.

### THE SYSTEM, APPROVED BY MALMB

The system is currently installed in about 4000 analytical cameras around the world (most of them in Israel) and it is backed by one of the oldest and largest centers in the country with more than 20 years of experience. Of the 4000 cameras installed in the Israeli control center, there are about 800 -1200 alerts per shift, and the most part of the 40% to 60% are false alarms when the system detects a patrol guard on site.

### ENHANCED SECURITY, SAFETY AND BUSINESS OPERATIONS

- (IMI - Elbit) - the Israeli Military Industries Mekorot;
- Clalit Health Services;
- Strauss Elite;
- Tempo;
- Colmobil Group;
- Metro Motor;
- Domino's Pizza (Israel);

- SBRF Corporate University (Russia) more then 500 cameras
- COD SBRF – more then 1000 cameras and other government and business entities.





# HOW TO BUY

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