

Surveon Video Analytics Solution

Broad Applications at Affordable Budget

Content

Advantages to Customer

Solutions Strength

Advanced Video Analytics

Video Analytics by NVR

Demo Video

Summary – Why Surveon VA Solution



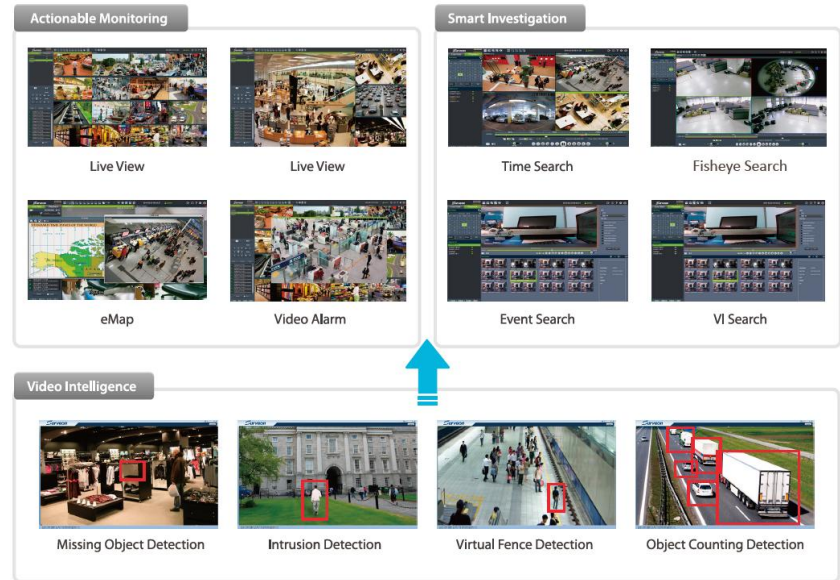
Advantages to Customer

- **Enhance manpower efficiency**
 - Premium search function allows an easier and faster way to retrieve stored video.
 - Active alarm notifications to ensure rapid and accurate actions.
- **Increase effectiveness of system operation**
 - Built-in comprehensive analytic functions within standard Enterprise NVR.
 - A real-time event detection can be performed with alert immediately.
- **Save cost on storage and extra VA licenses**
 - Only video that contains events needs to be recorded.
 - Built-in video analytics without additional charge.
- **Obtain business intelligence**
 - The statistical data and premium search result can be utilized and taken as valuable reference for better business operation.



Solutions Strength

- **Embedded Video Analytics** without Additional Charge
- Wide Range of **Detection Functions**
- **Active Alarm** and Event Handling
- Smart and **Powerful Investigative** Modes
- **Actionable Monitoring** via Event Bookmark
- Highly Scalable with **Distributed Architecture**



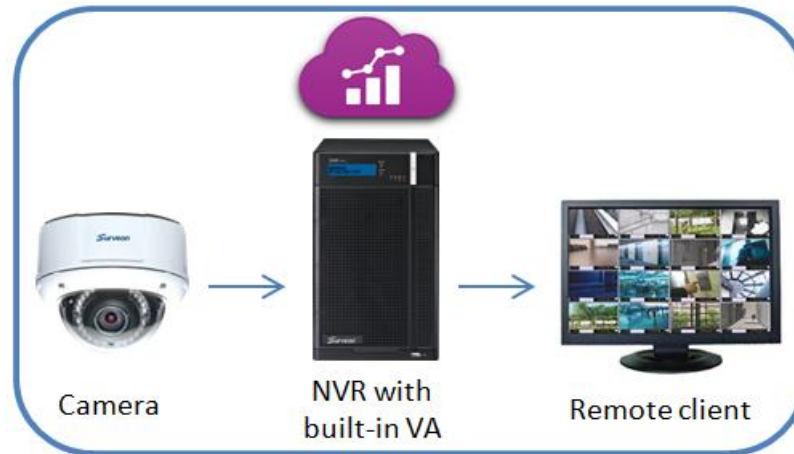
Advanced Video Analytics

Category	VA embedded in VMS / NVR
Intrusion	Intrusion Detection Forbidden Area Detection Virtual Fence Going Out Detection
Detection	Missing Object Detection Foreign Object Detection Object Motion Detection Camera Motion Detection
Tracking	Fisheye Auto Tracking Tailgating Detection
Counting	People / Vehicle Counting
Abnormality for Camera	Tampering Detection

Video Analytics @ NVR

Value-optimized Monitoring

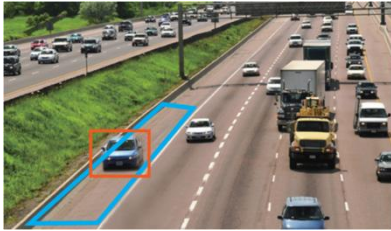
- By performing the real-time analysis of the video stream, there are 12 major ***Video Analytics in NVR*** to **identify and initiate alerts** for various user-defined events, offering effective **monitoring, detections, alerts, and responses to events** for a variety of applications.



Surveon Video Analytics Packages

Video Analytics Function	Object Motion Detection	Camera Motion Detection	Foreign Object Detection	People / Vehicle Counting	Forbidden Area Detection	Missing Object Detection
VMS Professional	V					
VMS Enterprise	V	V	V	V	V	V
SCC	V	V	V	V	V	V
Video Analytics Function	Fisheye Auto Tracking	Tailgating Detection	Intrusion Detection	Going Out Detection	Virtual Fence	Tampering Detection
VMS Professional						
VMS Enterprise	V	V	V	V	V	V
SCC	V	V	V	V	V	V

Intrusion (1/2)



Intrusion Detection

- It detects **malicious activities, policy violations or invasion**; once detected, it will trigger alarm.
- It can be used in places where safety and security are top priorities, for example **traffic and government**.



Forbidden Area Detection

- Setting a detection zone as forbidden means there should be **no trespasses in the set area**; any incoming will trigger alarm.
- It can be applied for places where perimeter security is required such as **data center and banking**.

Intrusion (2/2)



Virtual Fence

- Setting a virtual fence means **drawing a line that should not be crossed**; it will trigger alarm when the line is crossed.
- It can be employed in places where crossing will cause damage, for example **station platforms**.



Going Out Detection

- By setting a detection area, boundaries and the object size, objects can move around in the set detection area but **cannot cross the set boundaries**; otherwise it will trigger alarm.
- This can be applied for **entrance management**.

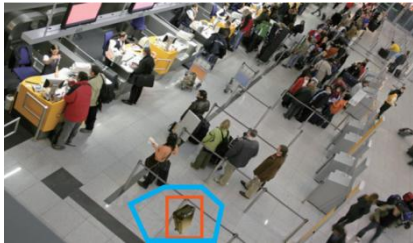
Detection (1/2)



 View Demo

Missing Object Detection

- When something was there but **disappeared**, it will trigger alarm.
- This can be used for assets protection in places such as **stores, shops, and galleries** with valuable items.



 View Demo

Foreign Object Detection

- This functionality is the opposite of the missing object detection for **detecting what was not there but strangely appeared**.
- It can be utilized to reduce misplacement or deliberate abandonment in public areas such as **airports and critical infrastructures**.

Detection (2/2)



 View Demo

Object / Camera Motion Detection

- This functionality is to detect **directions within the limits of the acceptance angle**, any wrong direction will trigger alarm. Object Motion Detection is using NVR to detect and Camera Motion Detection is using camera to detect, occupying the CPU resource of camera.
- It can be employed for places where only one direction is allowed, for example **parking lots and one way roads**.

Tracking (1/2)



Fisheye Auto Tracking

- The upper left corner shows the tracking result and the window below shows 180° dewarped view with auto pan. Allow fisheye to work as PTZ camera, performing wider monitoring.
- It can be applied for places where have valuable things and assets, for example **residential and commercial buildings**.



Tailgating Detection

- The alarm will be triggered when an object moves in the same direction but does not stop or stays too close to the **previous one when crossing the dividing line in the detecting area.**
- This can be used when the act of passing through needs to be charged or in access control, for example **station gates, parking lots, toll booths, and the ATM.**

Counting



People / Vehicle Counting

- After setting a line, direction and the object size, Surveon VA will **count the numbers when people or things cross the line.**
- This can be utilized in places where managing the space and counting the flow are needed, for example **shopping malls and commercial buildings.**

Abnormality for Camera



Tampering Detection

- This functionality is used for detecting any **damage or external changes on the camera**, for example being redirected, defocused, blocked or spray-painted. Any obstruction on camera will trigger alarm.
- It can be used in places where have valuable assets and goods such as **commercial buildings and city surveillance**.

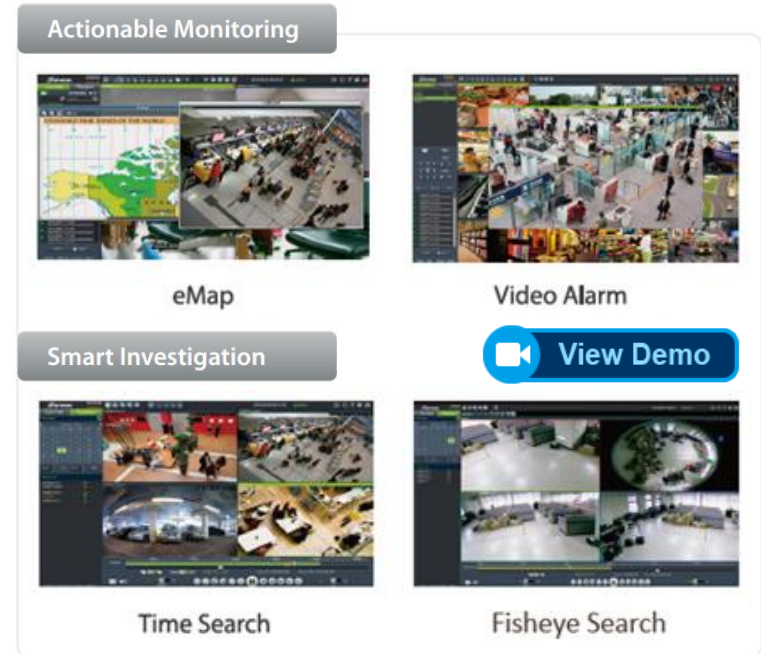
UI Panel & Smart Investigation

Actionable Monitoring

- Its **real-time event notification** on the security panel and **real-time live view, review and the advanced video labeling** for event follow-up can turn the traditional passive monitoring to the active actions.

Smart Investigation

- Provide security managers an efficient tool to **quickly identify useful information and relative footage** from hundreds of hours of video recording.



Demo Video

Access to Demo Videos

- Please sign up to become our partner and get immediate access to video analytics demo videos through: [Partner Zone](#) or watch demo videos on [Surveon YouTube channel](#).

Surveon
Complete Megapixel Solutions

Surveon Partner Program

Welcome
[nidya.yu@surveon.com!](mailto:nidya.yu@surveon.com)
[Log off](#) [Change password](#)

Company:surveon
Partnership Level:Platinum
Country:Taiwan

- Overview
- Training Center
 - Certification Program
 - Training Events
 - Application Notes
 - Demo Videos
 - Training Materials
 - Troubleshooting
- Technical
- Marketing
- Sales
- Support
- News and Events
- Connect

Watch and learn more about Surveon solutions.

Camera Series:

- [New](#)
- [2 Megapixels](#)
- [3 Megapixels](#)
- [5 Megapixels](#)

NVR Series:

- [New](#)
- [NVR](#)
- [SMR](#)
- [EMR](#)

VMS:

- [New](#)
- [Installation](#)
- [Live View Operation](#)
- [Playback Operation](#)
- [Surveon Control Center Operation](#)

Video Analytics:

- [VI Panel](#)
- [Tailgating Detection](#)
- [Motion Detection](#)
- [Missing Object Detection](#)
- [Going Out Detection](#)
- [Foreign Object Detection](#)
- [Forbidden area detection](#)
- [Intuitive Monitoring and Smart Video Analytics](#)

YouTube

搜索

Surveon
Complete Megapixel Solutions

6. Video Analytics Demo
Surveon Technology 4 / 10

- 1 Surveon NVR Video Analytics - Foreign Object Detection Surveon Technology 0:32
- 2 Surveon NVR Video Analytics - Forbidden Area Detection Surveon Technology 2:49
- 3 Surveon NVR Video Analytics - Going Out Detection Surveon Technology 1:03
- 4 Surveon NVR Video Analytics - Missing Object Detection Surveon Technology 1:53
- 5 Surveon NVR Video Analytics - General Motion Detection Surveon Technology 1:31
- 6 Surveon NVR Video Analytics - Tailgating Detection Surveon Technology 0:51

© Surveon NVR/SMR built-in video

Summary – Why Surveon VA Solution

- **Comprehensive Analytic Functions without Extra Cost**

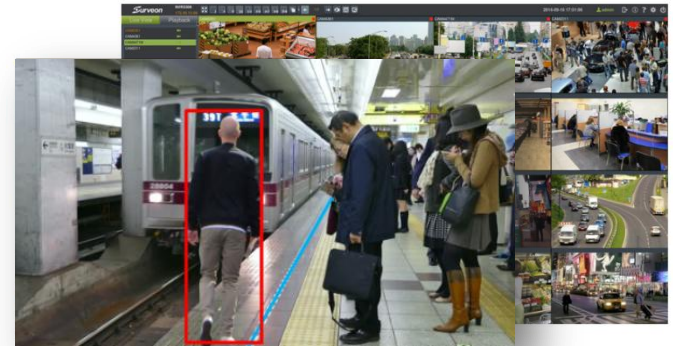
- Built-in 12 functions by NVR

- **Easy and Broad Applications**

- Actionable monitoring and smart investigation give partner an easier and faster way to retrieve stored video

- **Effective Alarm System to Take Efficient Action**

- A real-time event detection can be performed with alert immediately



www.surveon.com
sales@surveon.com

The background is a deep blue gradient with abstract, flowing white and light blue lines that create a sense of movement and depth. The lines are most prominent on the left side, curving and overlapping.

Thank You

Surveon, your reliable partner for growth