

PROACTIVE VIDEO MONITORING SOLUTION



REAL
SECURITY



REAL
DETECTION



REAL-TIME
RESPONSE



ISSUES OF TRADITIONAL VIDEO SURVEILLANCE SYSTEM

CCTV is recording only.
Even if intrusion happens...



CCTV only records the events.



Intruder breaks into the storage room and steals material stock. Camera only keeps recording...



It's hard for security personnel to monitor all cameras and notice all intrusion/emergency without missing anything.



If you could not take an action for the theft immediately... Factory will suffer production delay due to missing materials.

REACTIVE VIDEO MONITORING (TRADITIONAL VIDEO SURVEILLANCE)

CCTV is the first choice for almost all end users considering implementing a security solution, but these systems are ideal for "Recording" and are insufficient for preventing crimes before it happens.

COMMON ISSUES WITH TRADITIONAL VIDEO SURVEILLANCE "REACTIVE"

1 **CCTV only keeps recording.**
Can't prevent crime before it happens.

2 **Stop using after a few months.**
The user is only checking it a few times a months.

3 **False alarm by Video Analytics Detection**

- Some tries Video Analytics Detection (VCA)...
- False alarm at outdoor use by animal, insects, lights, etc.
- The results get worse when at night, bad weather.

4 **Unable to shoot clear video at night,**
it is too dark to see intruder's face clearly.

5* **Maintain Security- guard performance 24/7**

- Many CCTV cameras in the premises.
- Visual confirmation by Human-Eye.
- Can not act in REAL-TIME because of no-trigger.

6* **Over-budget by using VMS system**

- Evaluate VMS for physical sensor integration
- VMS is over budget for many small-medium size facilities.

*For Industrial & Commercial Facilities

WHAT IS PROACTIVE VIDEO MONITORING ?

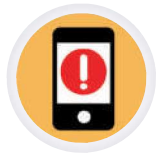
Proactive Video Monitoring is a sensor-triggered video surveillance solutions. This system immediately sends an alert to house owners or security operators in monitoring room by a trigger of detection by burglar alarm sensors and it enables to confirm the video of linked camera with sensors.



Prevent
Crime



Real-time
Response



Alert notification
Immediately

HOW IT WORKS ?



HOME



1 Relying on the PVM system for security at night.



2 The system detects the intruder and sounds the alarm.



3 The sensor system notifies you of the intrusion via CCTV app.



4 The faster you react, the safer everyone is. Also, there are less damages and losses.



COMMERCIAL FACILITIES



1 Using PVM system for the factory's perimeter and outdoor.



2 When an intruder is present, the sensor detects and the siren sounds immediately



3 Security guards receives an alert of intrusion by PVM system warning and CCTV footage, allowing them to take immediate action.



4 The goods are safe. The factory runs smoothly.



HOME

OPTEX'S PRODUCTS FOR PROACTIVE VIDEO MONITORING SOLUTION

You can easily upgrade your existing NVR (Network Video Recorder) and CCTV video surveillance system to a sensor-triggered Proactive Video Monitoring system.

SOLUTIONS *For Home*



GEN-RP



RF Repeater is a device that makes your system more powerful by increasing the maximum possible distance between the Main Unit (Control Panel) and the Devices.



GEN-DC



Wireless Magnetic Door Contact for windows / backdoors protection. It detects an intruder who opens a window / a door. It can be utilized as a door chime activator when disarmed.



1

SL-100TNR / SL-200TNR



30m/60m short range outdoor battery-powered twin active beam sensor, ideal to protect driveways, open areas and small perimeters.



1.1

SL-350QFR



100m of long range outdoor battery-powered quad active beam sensor, ideal to protect middle-large perimeters.



2

VXI-R

PIR



Reliable Outdoor PIR sensor with a detection range of up to 12m. Ideal to detect people approaching to residential and commercial applications.



3

FTN-R-PT

PIR



Short range curtain detection sensor with a switchable lens up to 2m or up to 5m detection, ideal to protect front door, windows and balconies.



3.1

BXS-R

PIR



Curtain outdoor motion sensor with up to 24m detection range. Ideal to detect people in the immediate boundary of your home or office building.



4

RXC-RST

PIR



12m indoor passive infrared motion sensor with large resistance to false alarms and animals. Ideal for residential houses, homes, commercial and industrial building.



GEN-RECEIVER 
GENIO series Wireless Receiver

- Wireless Receiver that receives GENIO wireless devices signal and convert into Contact Relay output.
- Has 4 channels.
- Each channel includes its ALARM and TROUBLE output.
- Each channel can learn up to 10 wireless devices. (Max = 4 channel x 10 devices = 40 wireless devices)
- LED status indicator.
- Internal back-up battery.

SOLUTIONS

For Commercial Facilities



5 HX-40RAM 
PIR

2.5 and 3m high mounting outdoor PIR sensor with 12m of volumetric detection with Anti-masking function. Ideal to protect the approach of the building.



6 REDSCAN Mini
(RLS-2020I/RLS-2020S/
RLS-2020V/RLS-2020A)

Highly accurate **ONVIF** compliant LiDAR technology sensor, short-range customisable detection up to 20m with 95 degree.



7 REDSCAN Pro
(RLS-50100V/RLS-3060V)

Highly accurate **ONVIF** compliant LiDAR technology sensor, long-range customisable detection up to 100m with 190 degree.



TRIGGERED BY INTRUSION SENSOR...

- Intrusion video image Pop-up at monitoring display
- Call for attention of security-guard by siren & strobe light
- Beat off the intruder by warning sound and light
- Dispatch security guard on site
- Video image Push-notification to designated recipient
- Marking by Time-Stamp for evidence



OPTEX'S SYSTEM FOR PROACTIVE VIDEO MONITORING SOLUTION

WITH OPTEX GEN-RECEIVER

Sensor-triggered video surveillance camera system notifies you when there is an intruder / suspicious person in your home property and allows you to check footage in real time.



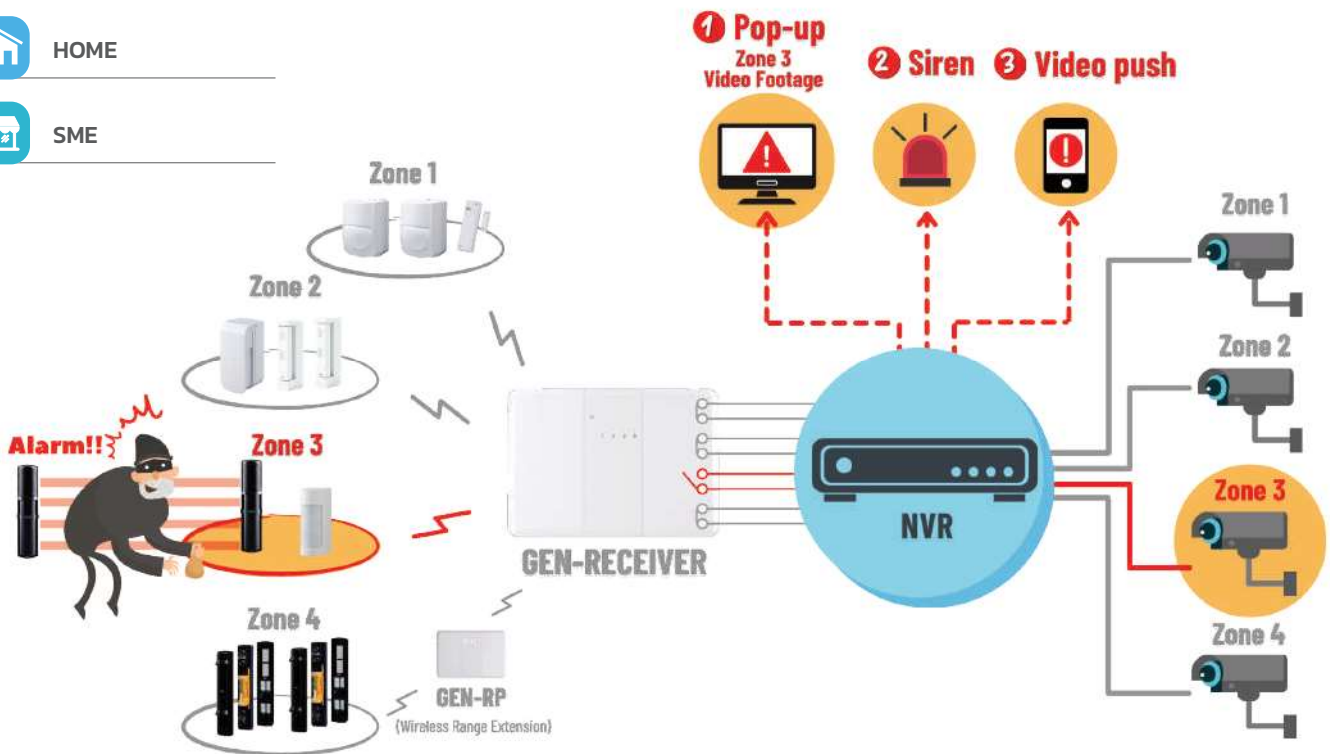
APPLICATION



HOME



SME



WITH VIDEO MANAGEMENT SOFTWARE (VMS) SYSTEM

OPTEX sensors are ready to be integrated with Video Management System (VMS) using the ONVIF protocol or REDWALL Event Codes that are already compatible with various popular VMS. We have many installations in critical facilities such as airports, power plants, data centers, etc.

OPTEX is integrated with :

- | | | |
|-----------------|---------|-------------|
| ▪ Genetec | ▪ Axis | ▪ Exacq |
| ▪ Milestone | ▪ Ganz | ▪ Digifort |
| ▪ Video Insight | ▪ Bosch | ▪ Other VMS |

*For additional information, ask an OPTEX representative.

WITH OPTEX GENIO LITE AND GEN-OP

Sensor-triggered Proactive Video Monitoring system improves security productivity in factories, warehouses, and light commercial facilities, reduces security costs, and realizes proactive crime prevention.

APPLICATION



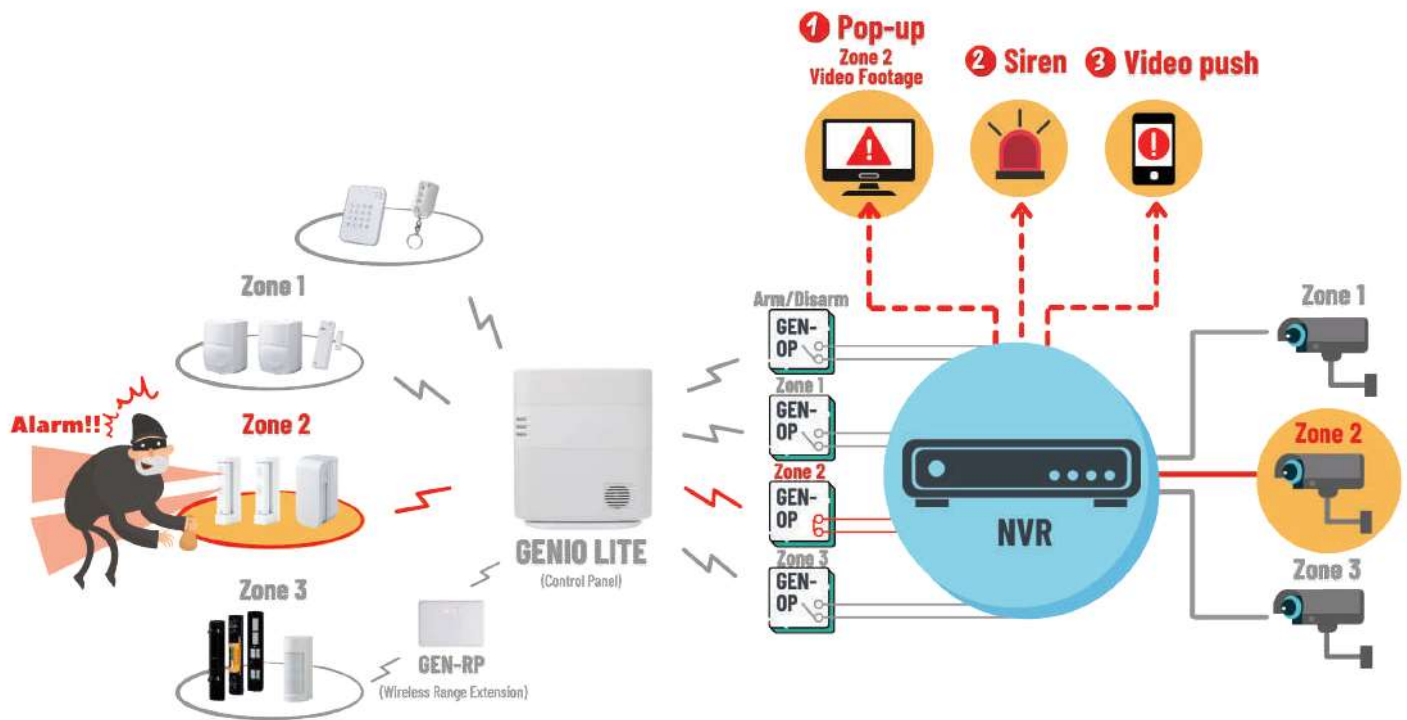
HOME



SME



COMMERCIAL



GENIO LITE

Professional Burglar Alarm system for both Residential and Commercial with Home Automation function.



APPLICATION



COMMERCIAL



HIGH SECURITY

GEN-OP

Wireless relay controller which receives alarm signal from the GENIO control panel and outputs it as dry contact (N/C or N/O) to other devices such as NVR.



PROACTIVE VIDEO MONITORING VS. REACTIVE VIDEO MONITORING

i INFORMATION

	PROACTIVE	REACTIVE (TRADITIONAL VIDEO SURVEILLANCE)
Leave evidence of emergency.	✓	✓
Prevent Crime.	✓	✗
Real-time Response.	✓	✗
Detection of event.	Automatically by Sensor	Human-Eye Checking
Alert notification immediately.	✓	✗
Make awareness of the alarm event by strobe light or pop up display on the monitoring screen.	✓	✗
Send alert notification with short video including pre-event recording.	✓	✗
Deter and stop intrusion by sounding a siren or sending security personnel.	✓	✗
Minimize risk of Property or human damage.	✓	✗
Cost-effectiveness and efficiency.	✓ Initial cost is higher than Reactive but it can minimize the risk of damage and save money in the long run.	✗ Initial cost is low. But the security equipment investment is not fully utilized for real security purpose.
Security system efficiency & benefit.	VERY HIGH	LOW

ADVANTAGES TO USE OPTEX'S PROACTIVE VIDEO MONITORING SOLUTION



GLOBAL NO.1 BRAND'S * OUTDOOR PROTECTION

Outdoor security sensors that protect the perimeter can detect intruders before they reach the building, allowing house owners or security operators to respond on earlier stage.

*No. 1 revenue in Intrusion Detection group at Asmag Top Security 50 report 2023.



LONG RANGE WIRELESS THAT ENABLES EASY DEPLOYMENT AND UPGRADE

OPTEX sensing system are also available in wireless solution that can cover the wireless range of both residential and commercial sites. Since using wireless devices, helps reduce installation times and costs significantly and also preserves the aesthetics of your property.



MULTIPLE INTEGRATION OPTION TO SUIT YOUR BUDGETS

- Entry level solution with GEN-RECEIVER
- Middle level solution with GENIO Lite
- High-end solution with VMS (Genetec, Milestone, etc..)



OPTEX (THAILAND) CO., LTD.

90 CW Tower (Tower B) Unit B1702, 17 Floor,
Ratchadaphisek Rd., Huai Khwang, Bangkok 10310
TEL : +66(O)-2168-3162
FAX : +66(O)-2168-3163
Website : <https://optex-asean.com/>
Copyright (C) 2024 OPTEX THAILAND CO., LTD.

