

Unusual Activity Detected

BEHAVIOR DETECTION SOLUTION

Realizing Security Enhancement
and Cost Efficiency

Behavior Detection Solution

Realizing a safer environment by automatically detecting abnormal behavior—including intrusion, loitering, and object abandonment—from live video feeds and through image analytics.

Solution Benefits



Cost Effectiveness

Achieve better surveillance by increasing the number of cameras without the proportional expansion of backend operations, which typically requires more personnel and physical space.



Raises Security

Automate the real-time detection and flagging of abnormal activities or persons of interest from large amounts of video, enhancing security and reducing human errors.

Characteristics

Detect moving objects in real time. Automatically recognize person, vehicle or another object and track them to detect any abnormal behavior.

Intrusion



Supports 3rd party cameras. Existing cameras can be used to enhance monitoring.



Live Video Feeds



NEC Image Analytics Monitoring Server

Abnormal behavior detected

Alert notification by GUI or sound. Image at the time of detection is recorded for further investigation.

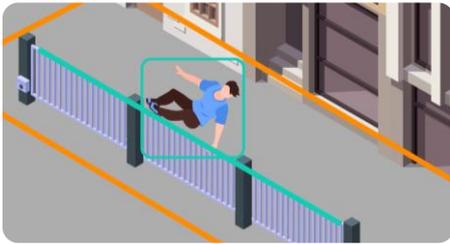
No special hardware required. ONVIF® compliant.

Improve monitoring process with various behavior detection technology

Early detection of problems and prevention of oversights can be realized effectively by monitoring places where abnormalities may occur.

Use Cases

Scenario analysis is made possible with the combination of several detections.



Intrusion



Left Object



Loitering



Crowd



Fallen Person



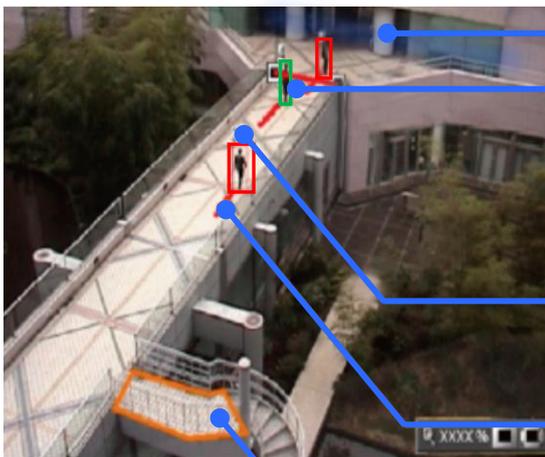
Sudden Running

* Other applications include people or vehicle counting, speed detection, etc.

- Other Uses**
- > Critical infrastructure protection
 - > Railway track intrusion
 - > Illegal entry into hazardous zone
 - > Illegal parking in restricted zone
 - > Loitering outside bank
 - > Illegal object removal
 - > Overcrowding
 - > Snatch theft prevention

Sample of Visual Interface

Easy to define rules, scenarios, and regions.



Mask Area

No-Entry Line under Monitoring

Object Detection:

- > People detected by green box
- > Object detected by yellow box

Object Tracking

Prohibited Area under Monitoring



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