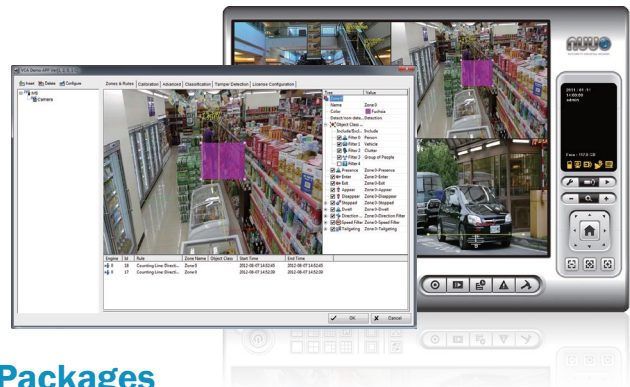


# Intelligent Video Surveillance (IVS)

NUUO Intelligent Video Surveillance (IVS) system provides advanced, accurate video analytic for both IP and analog cameras. The IVS engine can track, classify and analyze the behavior of individual or group of objects over long distance to greatly improve parameter security and monitoring efficiency.

## Main Advantages

- Cost-effective
- High accuracy
- Easy to set up
- Compatible with IP, analog and HD-SDI cameras
- Compatible with existing NUUO Mainconsole (v4.0 or above)
- Record on Advanced IVS
- Server-based recording transcoding & boosting record mode
- Instant alarm notifications
- Compatible with NUUO CMS
- Intelligent event search with video
- Scalable & flexible license
- Low CPU consumption
- Intuitive and unique 3D grid calibration
- 40 detection zones and tracks up to 100 targets per camera
- Suitable for thermal camera & fit low illumination environments



## IVS Packages

Part Number	SCB-IP-P-IVS COUNTING	SCB-IP-P-IVS SURVEILLANCE	SCB-IP-P-IVS ADVANCED
Function			
People counting	◆	-	◆
Vehicle counting	◆	-	◆
Stabilizer	◆	-	◆
Tamper Detection	◆	◆	◆
Presence	-	◆	◆
Appear and disappear	-	◆	◆
Enter and exit	-	◆	◆
Dwell	-	◆	◆
Stopping	-	◆	◆
Tailgating	-	◆	◆
Direction	-	◆	◆

## Design Highlights

### People Counting

This counting solution includes a bi-directional line-crossing filter, suitable for counting people in busy doorways and entrances.



### Vehicle Counting

This counting solution captures statistics on vehicle flow, it also provides an estimated speed of the vehicle.



### Stabilizer

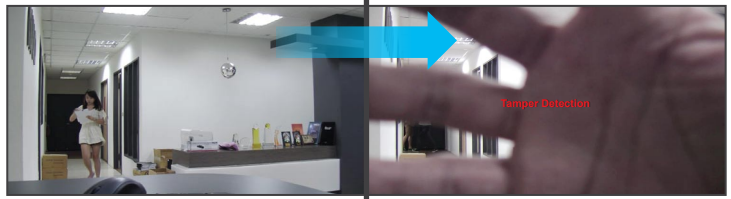
In environments where camera stability is an issue, this feature will compensate for any movement to provide a clear view.



## Design Highlights

### Tamper Detection

Detects any event that significantly changes the field of view of the camera, such as loss focus, a camera being covered up...etc.



### Presence Filter

(Tripwire) Detects when an object or individual has penetrated the defined perimeter.



### Appear and Disappear

Used to detect people appearing or disappearing through a doorway but ignores people passing by in front of the doorway.



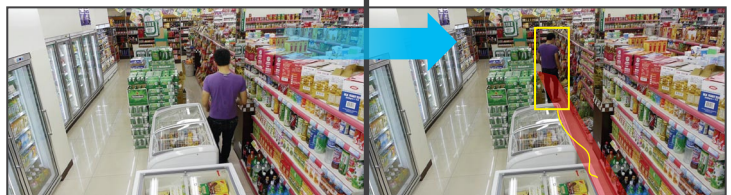
### Enter and exit

An alarm is triggered when an object crosses from the outside to the inside of a detection zone. Conversely, an alarm is triggered when an object crosses from the inside to the outside of a detection zone.



### Dwell

Objects that dwell inside a zone for longer than the pre-defined amount of time will trigger an alarm such as loitering people.



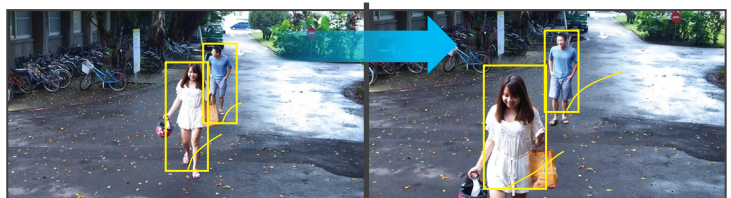
### Stopping

Objects that are stopped inside a zone for longer than the defined amount of time will trigger an alarm.



### Tailgating

Object tailgating is defined as two objects crossing a virtual line or zone within in a pre-defined time frame. This can be used with vehicles or with people in an access control environment.



### Direction

Objects that travel in the configured direction (within the limits of the acceptance angle) through a zone or over a line trigger an alarm.

