

Intrusion Alarm Setup

Document ID: I01B0509

Objectives:

Video Analytics: Intrusion Alarm Setup

Applicable Multicam version: v8.0 and above

Video Analytics: Intrusion Alarm Setup

1. In GeoVision Multicam software, click on Configure button, select Video Analysis, then Counter/Intrusion Alarm Setting



2. Select the camera(s) which Intrusion Alarm are to be applied, then select Configure





 Click on Alarm tab, and then select Define Detection Zones. Draw a box in the camera preview on the right and designate it as Region 1

Setup	X
Counter Alarm	1
Choose Camera	
Camera 1 💌	
Definition	
Define Detection Zones	
C Define Object Size	
Sensitivity	
Setting	
Alarm Mode 1 🗾	
✓ 1-> 2 Alarm	Define
C 2 -> 1 Alarm	Region 1 Region 2
Option	
Enable Mask	Delete Region Cancel
Demo	
Denio	Never Recycle
	OK Cancel

✓ In this example, Region 1 is designated as area at the door. After you complete drawing the first box, you may add region to existing Region 1 by repeating the step above. Otherwise, you may also remove region from existing Region 1 by drawing a box then select Delete Region



4. After Region 1 is created, draw another box to designate Region 2



✓ For this example, Region 2 will be setup as area surrounding the door. After you complete drawing the first box, you may add region to existing Region 2 by repeating the step above. Otherwise, you may also remove region from existing Region 2 by drawing a box then select Delete Region



5. Repeat steps 3 and 4 to increase/edit either region size to fit the camera environment as shown below

etup
Counter Alam
Option Image: Second state in the second
OK Cancel

✓ For this example, in order to setup intrusion alarm for anyone who comes into the building, Region 2 is setup to completely surround the door



 Select Define Object Size. Then, click on the camera button right below to capture the image. In the camera preview on the right, draw a box which defines the object size best

Counter Alarm	
Choose Camera Camera 1 Definition C Define Detection Zones Define Object Size Sensitivity 3 Setting Alarm Mode 1 1 -> 2 Alarm 2 -> 1 Alarm 2	Test
Option F Enable Mask Skip Frame Demo	 ✓ Invoke Alarm : ✓ Output Module : Mod. 1 - Pin. 1 - ✓ Never Recycle
	OK Cancel

✓ It is crucial to define object size correctly since it will affect the alarm intrusion accuracy. Therefore, it is recommended to take the snapshot with an actual object present in the scene to help you define the object size more accurately



 Select Alarm Modes from the drop-down list, and then select the direction in which Intrusion Alarm be applied. An optional live test can then be applied to test current settings by clicking on Test button. Otherwise, click on OK to finish setup

Setup	
Counter Alarm Choose Camera Camera 1 Definition C Define Detection Zones Define Object Size Sensitivity 3 Setting Alarm Mode 1 V 1 -> 2 Alarm 2 -> 1 Alarm	Test Count
Option Enable Mask Skip Frame Demo	Invoke Alarm : Output Module : Mod. 1 - Pin. 1 - Never Recycle
	OK Cancel

- Selecting Alarm Mode 1 will trigger intrusion alarm when an object enters partially into second region
- Selecting Alarm Mode 2 will trigger intrusion alarm only when an object fully enters second region
- For this example, since intrusion alarm is intended to be applied on objects entering the building; therefore, region 1 -> 2 alarm option is checked