

Yorkland
Controls
+
ENVIRONMENTAL
SOLUTIONS

Mr. Brian Hachey

Dedicated Micros

Honeywell *niagara^{AX}*

M DEDICATED MICROS

Analytics Capable Software



Brian Hachey

Analytics*Capable*

Agenda

- What Is Video Analytics ?
- Typical Analytics
- HVAC Possibilities
- Questions

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What is Video Analytics

- Adds intelligence to the video system
- Analytics have been available for several years
- Current systems have improved features and reliability
- The Intelligence resides in the DVR (Digital Video Recorder) or Software
- Usually turned on by Licensing the feature in the DVR

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Typical Analytics Features

- ANPR – Automatic Number Plate Recognition
- Object Left Removed
- Detection Tripwire
- Counting Tripwire

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ANPR – (Automatic Number Plate Recognition)

ANPR Plate DB

The ANPR Plate DB menu allows an external database of number plate details to be uploaded to your DVR. The ANPR software will then use this information to raise alarms whenever a matching number plate is recorded.

ANPR Database Setup

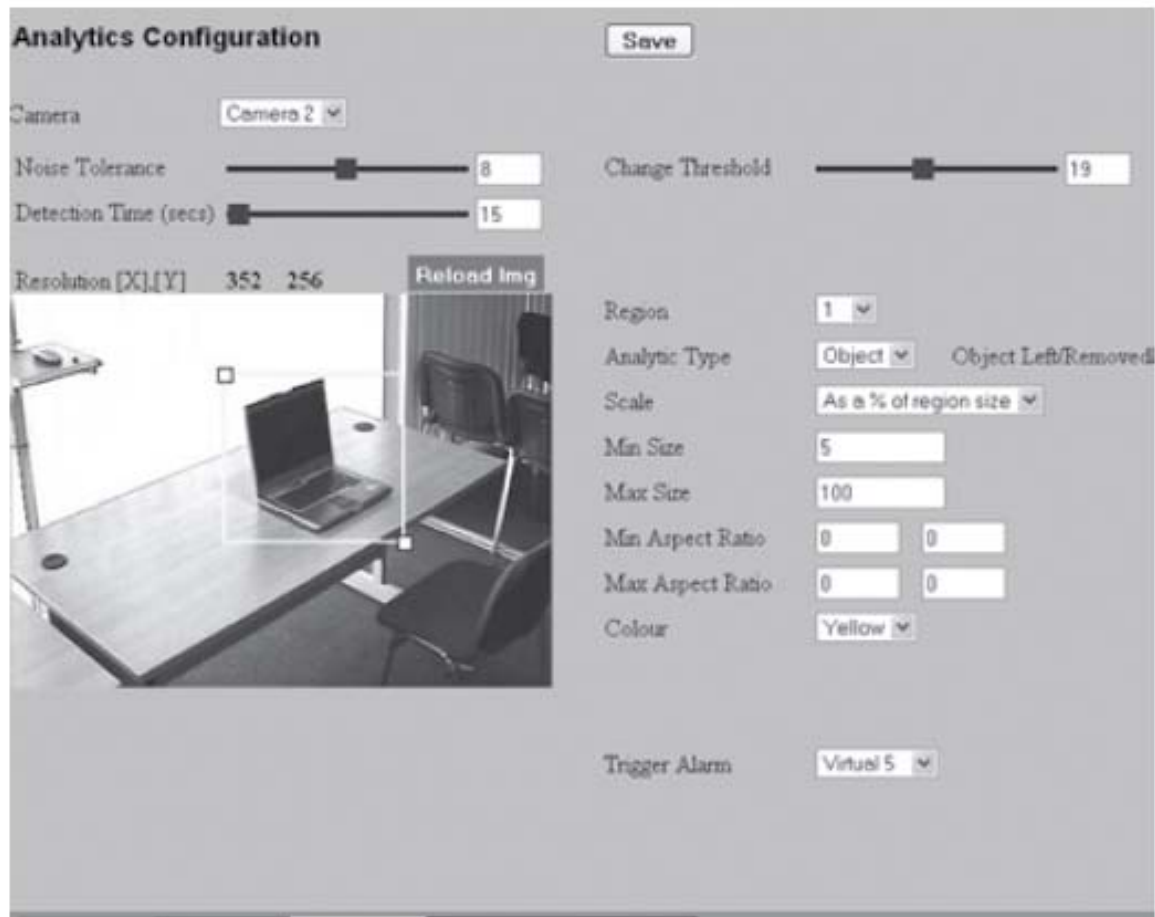
Save

N718FKJ	RESIDENT
HT57ASO	MAINTENANCE
R307WBT	STOLEN
L231YAY	RESIDENT
LM03ZUA	STOLEN
T9400DT	RESIDENT
R398BOU	STOLEN
M765CLX	RESIDENT
R370FEH	STOLEN
MC510VF	RESIDENT
NB04VRR	MAINTENANCE
MF56FXL	RESIDENT
X957FBM	MAINTENANCE
Y716MFM	STOLEN
AD02YRG	STOLEN
AJ32LRA	RESIDENT
MA06ZPW	MAINTENANCE
Y947OGS	RESIDENT
ET54LVX	RESIDENT
G4LON	RESIDENT
T613PJ	STOLEN
MMS2LFJ	RESIDENT
MCO6HBH	MAINTENANCE

Load from USB

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Object Left Removed



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Detection Tripwire

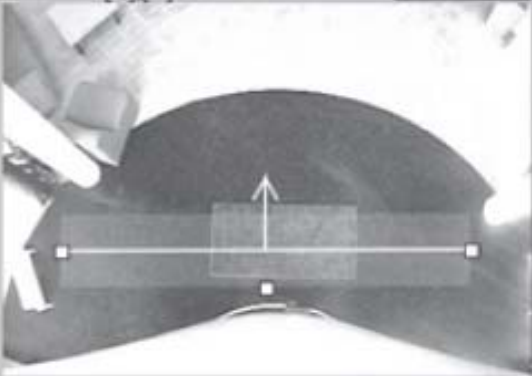
Analytics Configuration Save

Camera Camera 3

Noise Tolerance 8

Detection Time (secs) 10

Resolution [X],[Y] 352 256 Reload img



Object Rate 50

Segmentation 8

Region 1

Analytic Type Tripwire Detection Tripwire

Scale As a % of region size

Min Size 5

Max Size 100

Min Aspect Ratio 0 0

Max Aspect Ratio 0 0

Colour Yellow

Trigger Alarm Virtual 3 Direction In

Reload img Refresh

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Counting Tripwire


Analytics Configuration Save

Camera:

Noise Tolerance: 8

Detection Time (secs): 20

Resolution [X|Y]: Reload img



Object Rate: 51

Segmentation: 5

Region:

Analytic Type:

Scale:

Min Size:

Max Size:

Min Aspect Ratio:

Max Aspect Ratio:

Colour:

Trigger Condition:

Trigger Type:

Trigger Alarm:

Current Status:

In	<input type="text" value="427"/>
Out	<input type="text" value="412"/>
Balance	<input type="text" value="14"/>

Reload img Count Status Refresh

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HVAC Possibilities

- People counting – fine tune the HVAC System to match Building Occupancy.
- Access - use Video Analytics to sense occupancy in building zones.
- Recognize the Presidents license plate when he enters the parking lot and get his office ready.
- Use Video tripwires to turn on occupancy in a room.

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Questions ?

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Thank You !!!



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