

How to Configure People Counting function for DVR

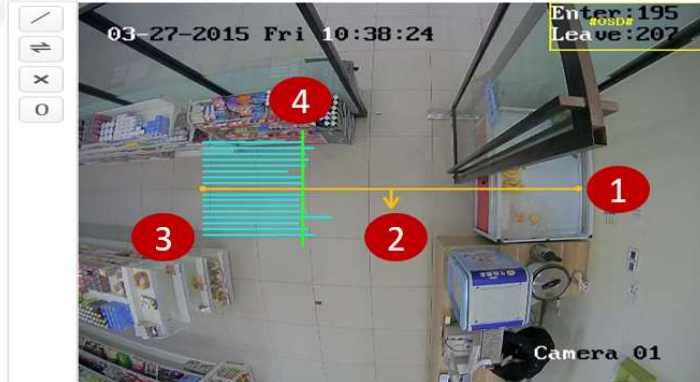
Background:

People Counting is used to calculate the number of people entered or left a certain configured area and form in daily/weekly/monthly/annual reports for analysis.

How to Set People Counting Function:

Steps:

1. Enter the Counting Configuration interface: Configuration->People Counting;
2. Check the Enable People Counting & Camera Calibration checkbox to enable the function;



The screenshot shows a live video feed of a store aisle. A yellow line (1) is drawn across the aisle. A green line (4) is drawn parallel to it. A blue line (3) is drawn below the green line. A red arrow (2) points downwards from the yellow line. A red circle (1) is on the right side of the yellow line. A red circle (4) is on the right side of the green line. A red circle (3) is on the left side of the blue line. A red circle (2) is on the left side of the arrow. The video feed shows a timestamp '03-27-2015 Fri 10:38:24' and a counter 'Enter: 195 Leave: 207'. The camera is labeled 'Camera 01'.

Configuration → People Counting → Enable People Counting, Camera Calibration and OSD Overlay.

- Draw a Detection Line to define a valid range;
- Choose a direction arrow on Detection line;
- The distance from left end of Detection Line to the Width Line equals one people shoulder's width. Move the Width Line to get precise calibration.
- Up to 16 Reference Lines indicate referential widths based on historical people flow statistics.

* The Reference Lines cannot give a precise width reference if no record has been found. Therefore, it is strongly recommended to take some walking in/out trial for having an accurate width setting.

* The arrow's direction equals people entering direction, the contrary equals people leaving direction.

1 Detection Line (yellow) **3** Reference Line (blue)
2 Enter Direction (arrow) **4** Width Line (green)

Draw Line **Change Direction** **Delete** **Reset Counter**

3. Set the detection line;

An orange line, named as detection line can be set on the live video, and the object entering or exiting through the line will be detected and counted.

- 1) Click to draw a detection line, and an orange detection line will appear on the image.

Note:

- The detection line should be drawn at the position right below the camera, and it should cover the whole entrance / exit.
 - Draw the detection line at the position don't have many people lingering.
- 2) Click-and-drag the detection line to adjust its position;
 - 3) Click-and-drag the two end points of the detection line to adjust its length'
 - 4) Click Delete to delete the detection line;
 - 5) Click Change Direction to change the direction;
5. Click the Reset Counter button, and the number of the people entered and exited will be cleared to zero;
8. Click Save to save the settings.

How to Check People Counting Performance:

Steps:

1. Go to Menu > VCA Search > People Counting;
2. Select the camera for the people counting;
3. Select the report type to Daily Report, Weekly Report, Monthly Report or Annual Report;
- 4 Set the statistics time;
5. Click the Counting button to start people counting statistics;



6. You can click the Export button to export the statistics report in excel format.

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