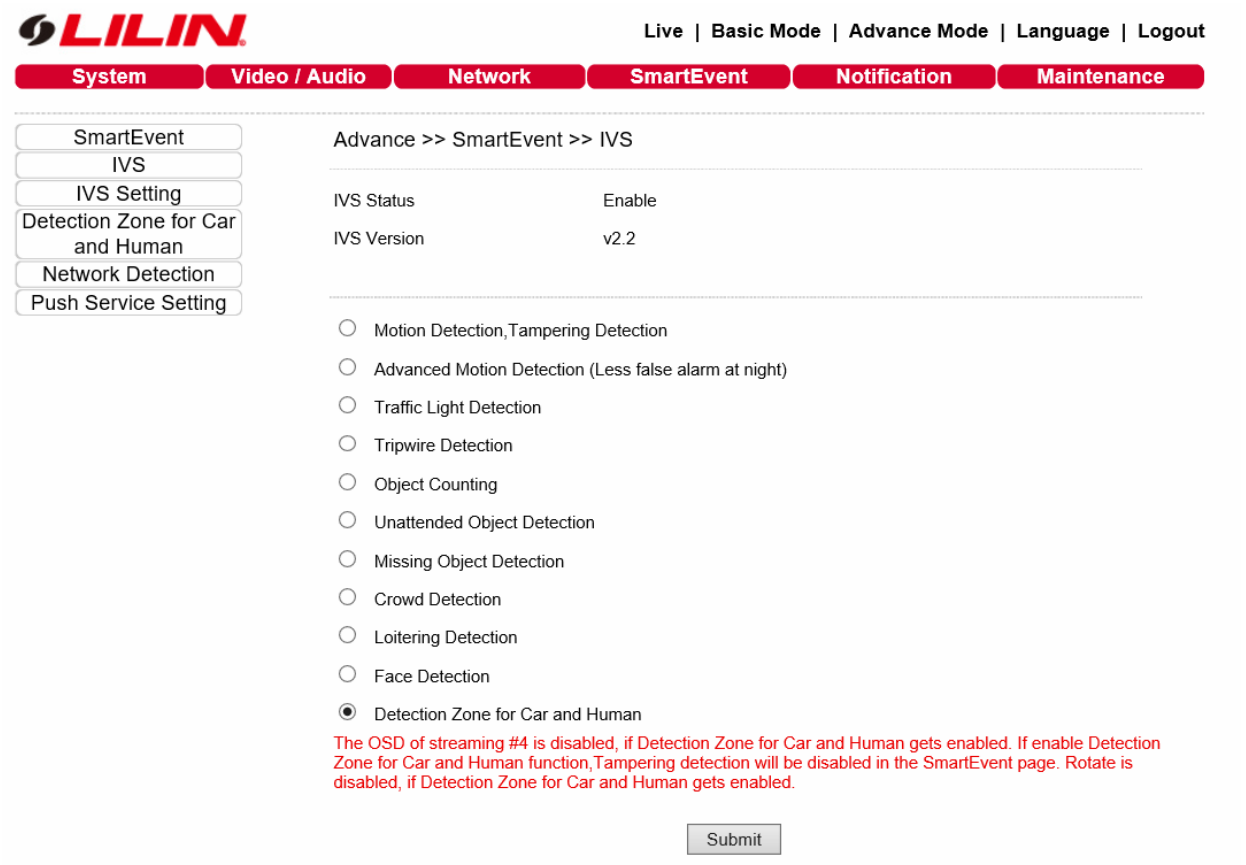
IVS2.2 Human & Vehicle Detection

Internet Explorer 11 must be used to configure the camera.

- Enter Setup/Advance Mode/Smart Event in the top menu. Then IVS in the menu on the left-hand side. The following page will load.



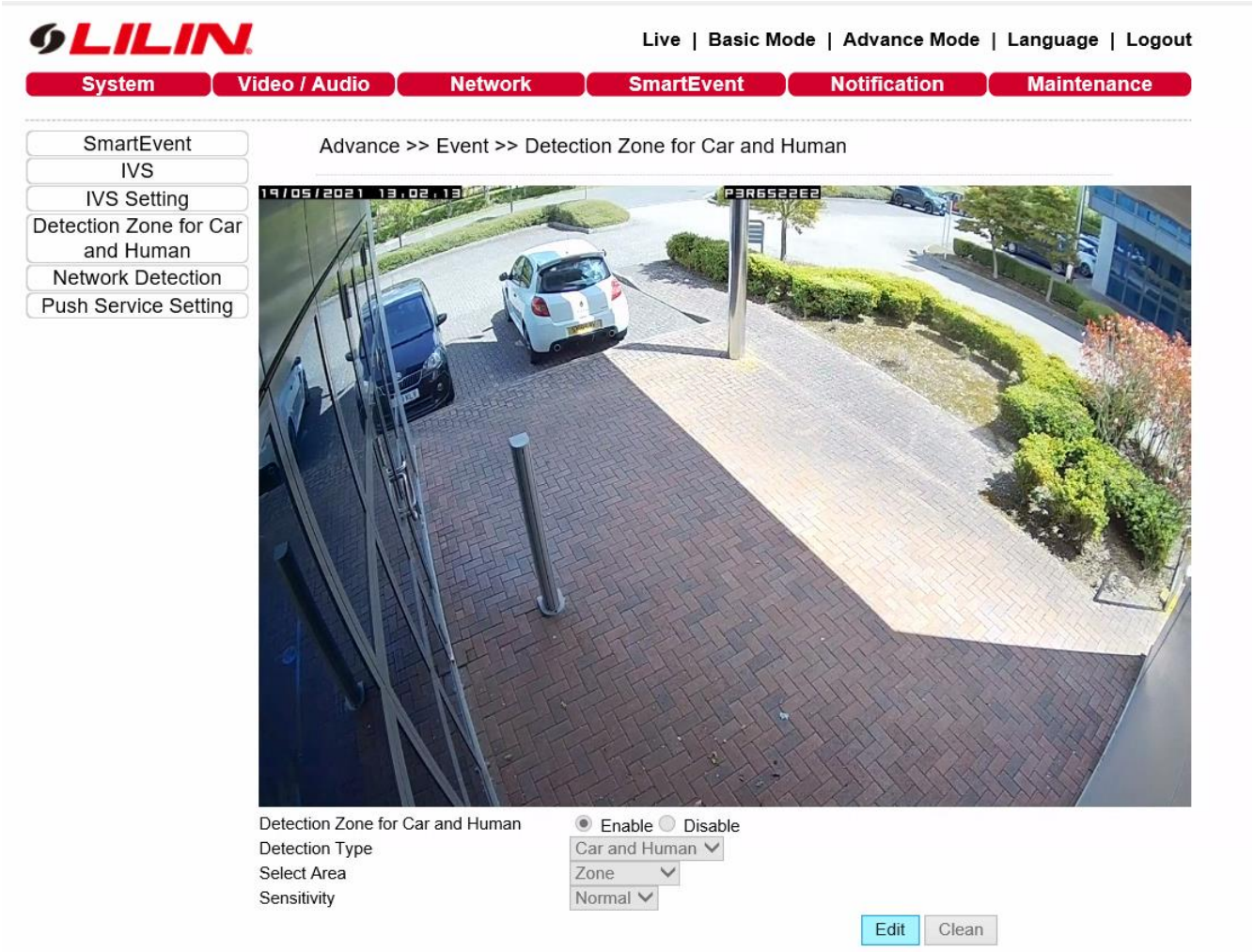
Select ‘Detection Zone for Car and Human’ and press Submit.

The camera will reboot.

Note: The camera must have an IVS2.2 license to see these options.

In optimal conditions the expected read rate can be up to 85%

- Select **Detection Zone for Car and Human** in the left-hand menu.



Your image will load with the as above.

Select Edit and enable.

Select **Detection Type** from the drop-down menu.

Car and Human: This will recognize both Vehicles and Humans.

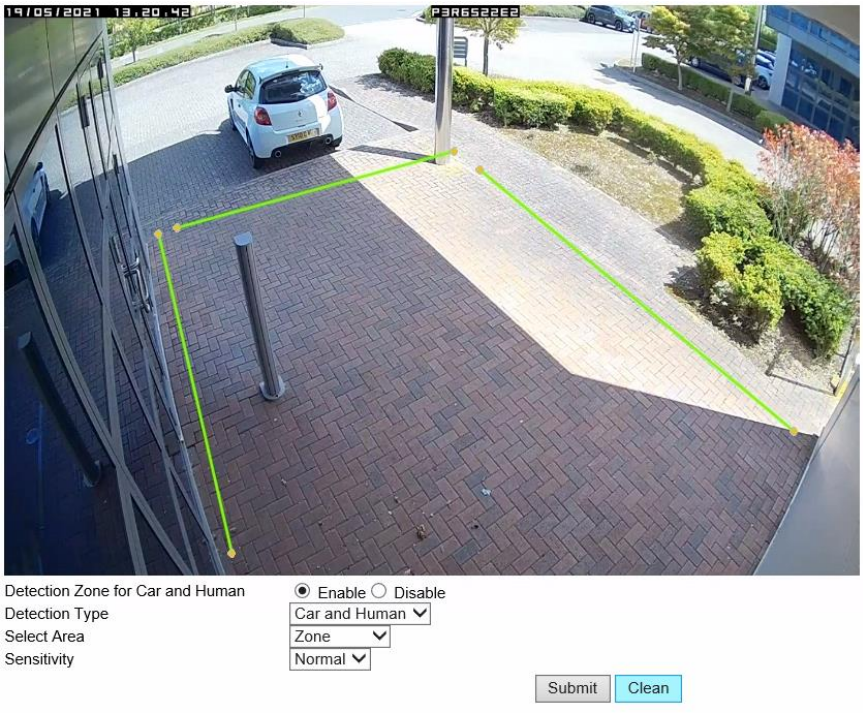
Car: This will only recognize vehicles.

Human: This will recognize only Humans.

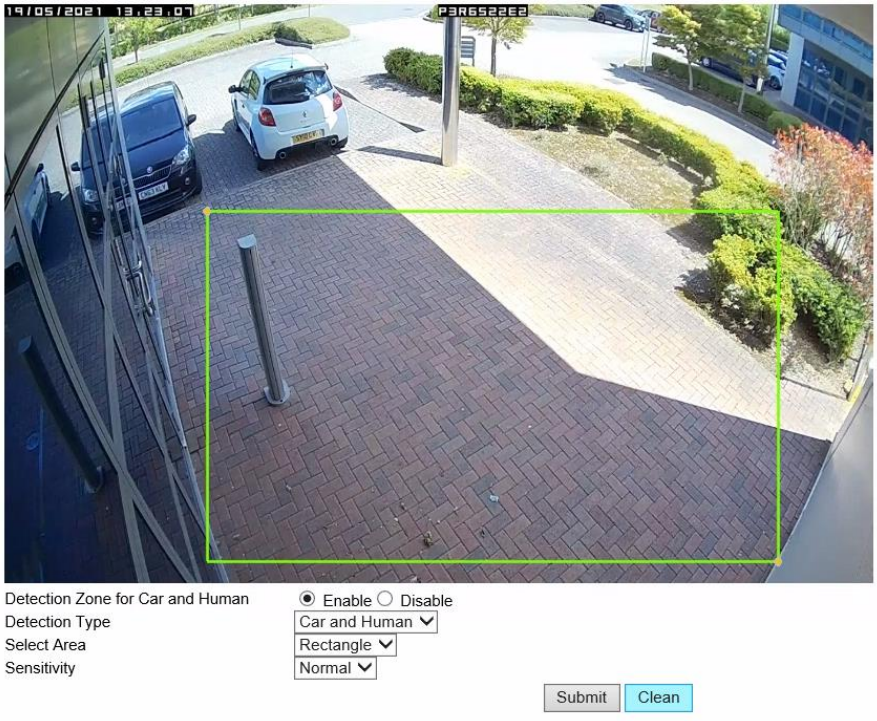
Your selected detection type will be recognized anywhere on the screen (you can adjust the required sizes of objects in IVS Settings)

Next draw an area that will create an alarm when your detection type enters or moves over.

There are 2 types of areas **Zone** or **Rectangle.**

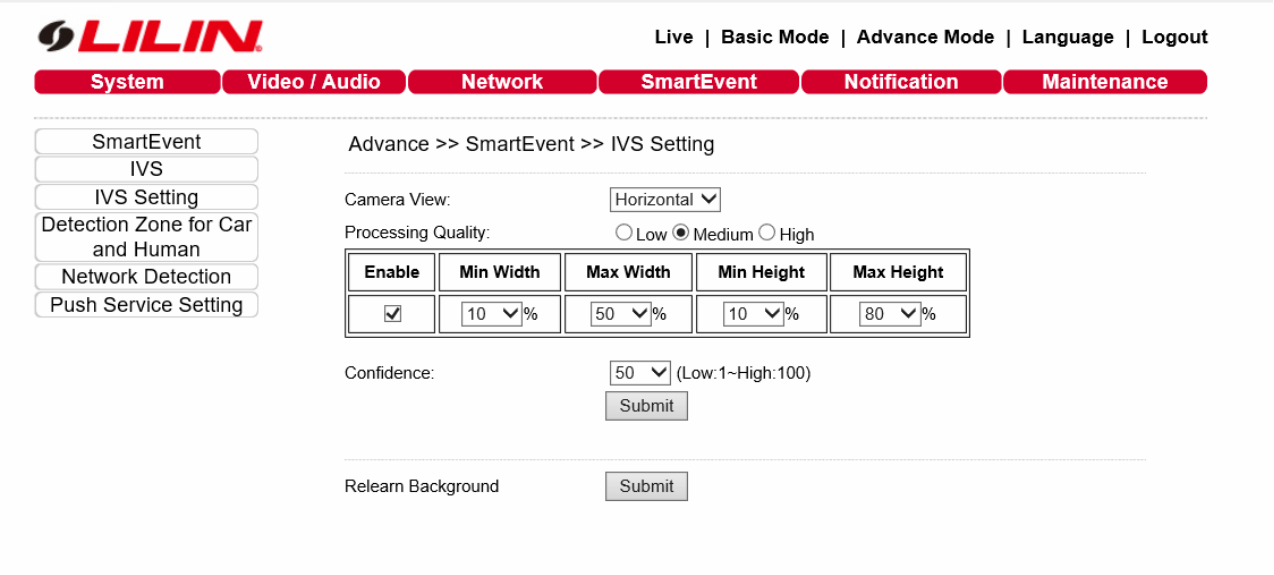


With **Zone** you can draw up to 8 lines on your screen. An alarm is activated when your detection type moves over any of these lines.



With **Rectangle** you can draw up to 8 rectangles. An alarm is activated when your detection type enters the rectangle or moves once inside the rectangle.

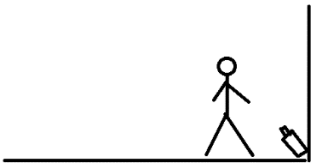
- Select **IVS Settings** in the left-hand side menu. Here you can adjust settings to optimize the IVS performance for your scene.



Camera view has 3 options in the drop-down menu.

Horizontal: This is the default and is suitable for most IP camera installations

Overhead: When the camera is installed below the target object (as below)

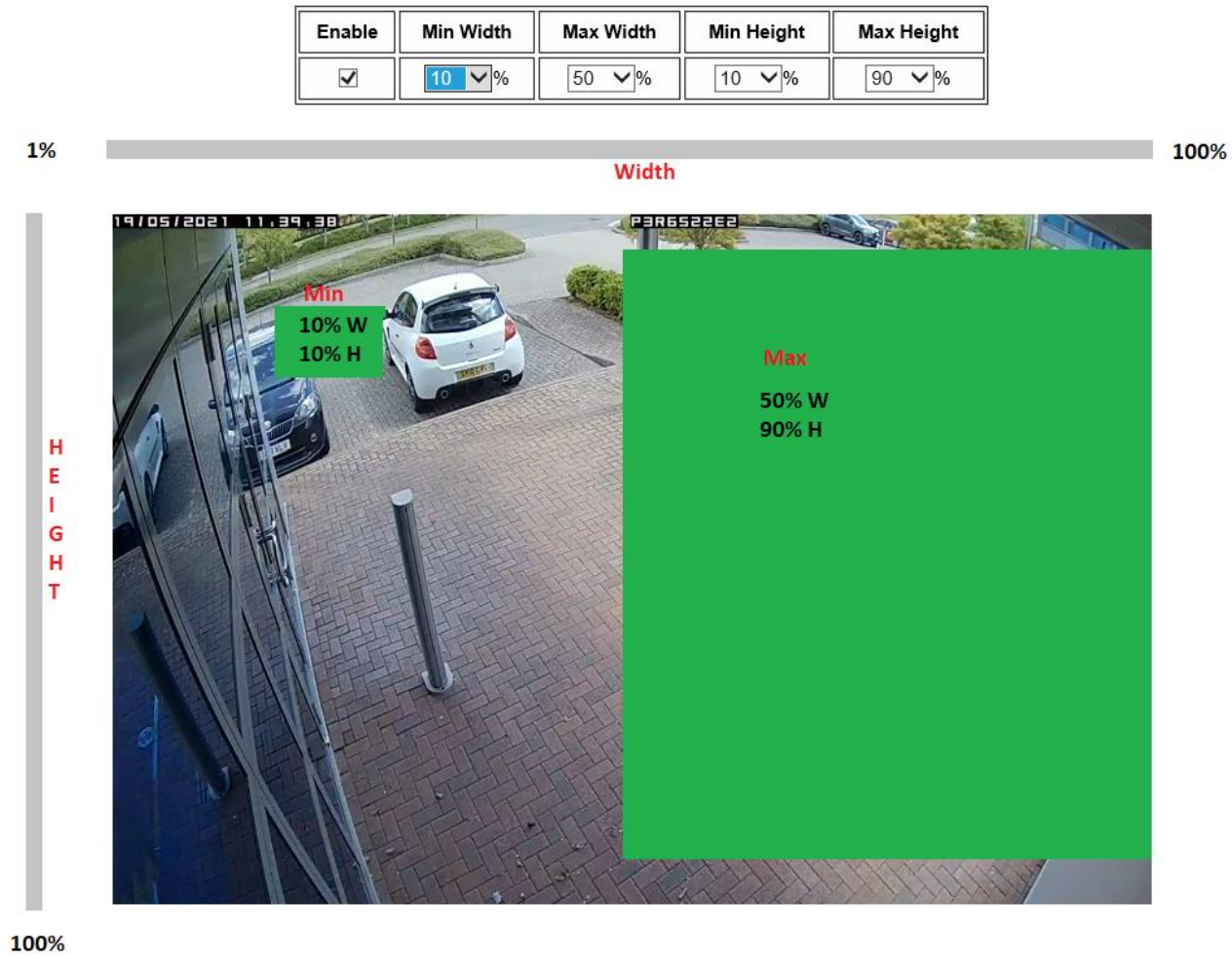


Angle: When the camera is installed above the object but with a very narrow angle (as below)

Processing Quality can be set to low, medium (default) or High depending on the quality of your image.

Confidence: adjust this between 1 (low) and 100 (high), to optimize your recognition rate based on how confident the camera is that the object is Human or Vehicle. It is recommended to start at 50%

You can select the size that an object needs to be before it is recognised in your image. Select a Minimum and Maximum Width and Minimum and Maximum Height between 0% and 100% of the image.



The above image shows the minimum and maximum size an object could be to be detected based on

Min width 10% - Min Height 10%

Max width 10% - Max Height 90%

So any object between the 2 green boxes should be read.

Relearn Background: Select this once you have changed settings.

- **Fault Finding**

- **If objects are not being recognized**

Check you have the correct Detection Type set

Adjust your confidence rate.

Try changing the min and max object sizes.

Avoid the top and corners of the image to detect objects.

The cameras generally perform best if the target is within 15 meters of the camera.