**CTI One Corporation**

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**Garbage Detection Level1**

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| --- | --- | --- | --- |
| Date | Description | Version | Created by |
| 10/31/2019 | Describe the scenario in detailed for Garbage Detection testing on CAMSVR | v01 | Minh Duc Ong |

1. **Run the program**

Step1: On personal computer, open Terminal Window and ssh to the CAMSVR:

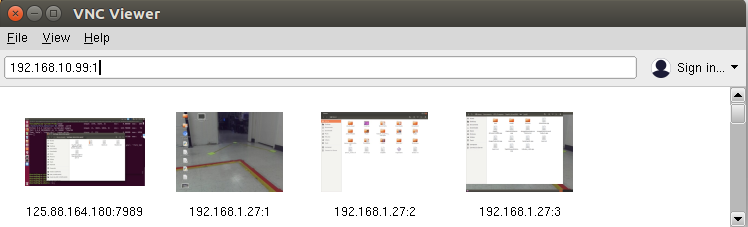
*ssh camsvr@192.168.10.99*

Password: Ctione2018

Step 2: Activate the VNC Server on the CAMSVR:

*vncserver :1*

Step 3: On the personal computer, open VNC Viewer to access to the CAMSVR



Input: *192.168.10.99:1*

Username: camsvr

Password: Ctione2018

Step 4: On CAMSVR, open Terminal Window and navigate to /home/CamSVR/Documents/AIV/Garbage\_Level1 by following command

*cd /home/camsvr/Documents/AIV/Garbage\_Level1*

Step 5: Run the Garbage detection with the command:

*sudo python3 main\_GarDet\_level1.py*

Step 6: Make sure no people walking/standing in the field of view of camera

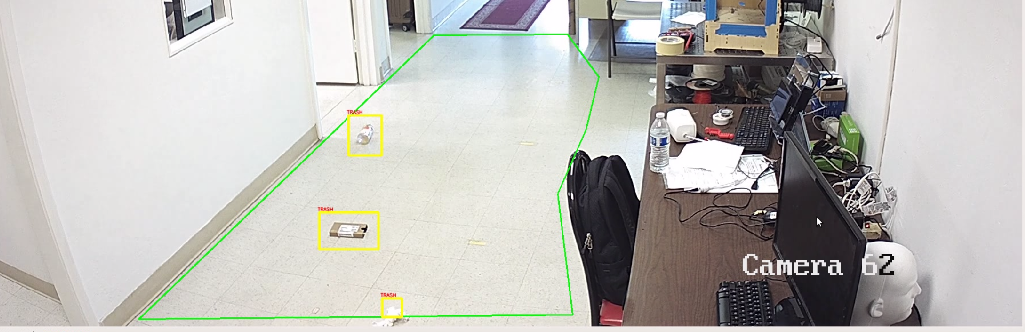
Step 7: Left-mouse click 8 points to select a polygonal ROI on the ground.



Step 8: After the polygonal ROI has been selected, people walk in and drop the garbage.



Step 9: After people leave, garbage without collecting has been detected.



**Result:** Detect garbage littered by people and they not pick it up

Step 10: People walk in again and pick up the garbage, detection is done.