



## Cadla Services India Private Limited

### Setting up VNC Server and Viewer :

Open VNC Server in Raspberry Pi(located in the top-right of the screen).

#### For direct connectivity :

- 1) Host a wifi from the system having VNC Viewer i.e enable hotspot. Connect the WiFi of Raspberry Pi to it. When you click on the VNC icon , one ip will be provided. Type that ip-address in the vnc-viewer.
- 2) If using a common WiFi then connect the Raspberry Pi to the WiFi and get the ip address. Now connect the laptop or mobile to the common WiFi,open VNC Viewer and provide the ip address. By default

username : pi

Password : raspberry

**Remarks :** VNC Viewer and Server should be connected to the same Network.

**For Cloud Connectivity :** Click on the VNC icon. Below the ip address click on the **sign in** options. Sign in by providing email and password.After this you will get and ip-address. Open VNC Viewer and sign in there using the same account. Provide the ip-address to get the streaming of the screen.

**Troubleshooting :** If you didn't find the VNC server follow the step 9 of the documentation file **Cadla\_Rpi.docx**

Open the terminal and type the command “**python3 model\_testing\_picam.py**”. Raspberry pi will take a snapshot after 5 second and evaluate it against the labels.

For faster run (i.e when going out for field trials) :

- 1) Open terminal and type python3 and press enter
- 2) Copy the contents of file “**model\_testing\_picam.py**” and paste it in the terminal. Press enter twice.
- 3) Copy the contents of file “**tflite\_model\_interpreter.py**” and paste it in the terminal. Press enter twice.
- 4) Now for the file type “**picam()**” and the picam will start to take the snapshot. Every time you have to just type picam() to take a photo and evaluate it.