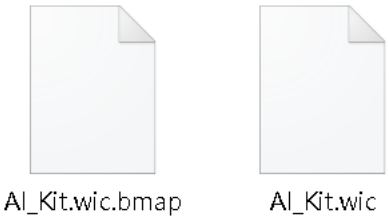
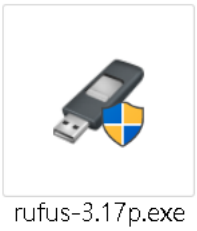
How to use AI developer kit

Please follow to below steps to setup your system:

Step1: There are two files- AI_kit.wic and AI_kit.wic.bmap, both files need to be downloaded and placed within the same directory.



Step2: Download rufus: https://rufus.ie/zh_TW/



Step3: Prepare a 64G SD card & a mini SD reader.

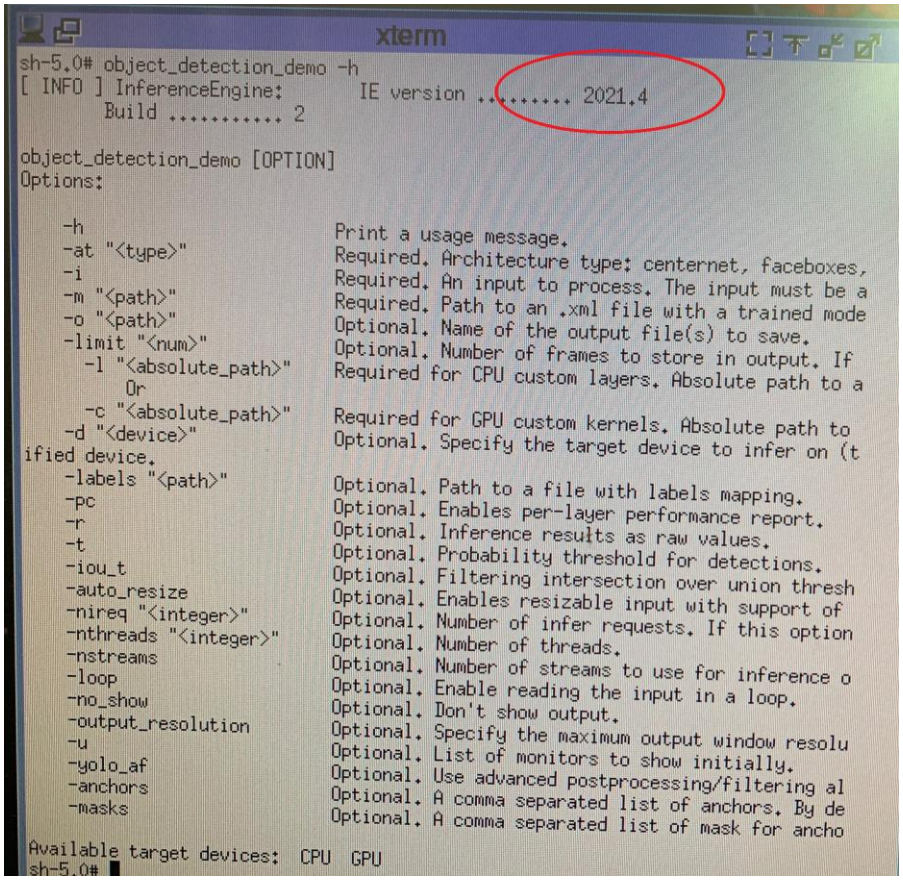
Step4: Use Rufus to write the downloaded image into the SD card.
#The image will take a while to write in, please wait for the process to complete.

Step5: Plug SD card into the TGL AI Kit.
Refer to the model NUC-1115G4E and carry out the following procedure:

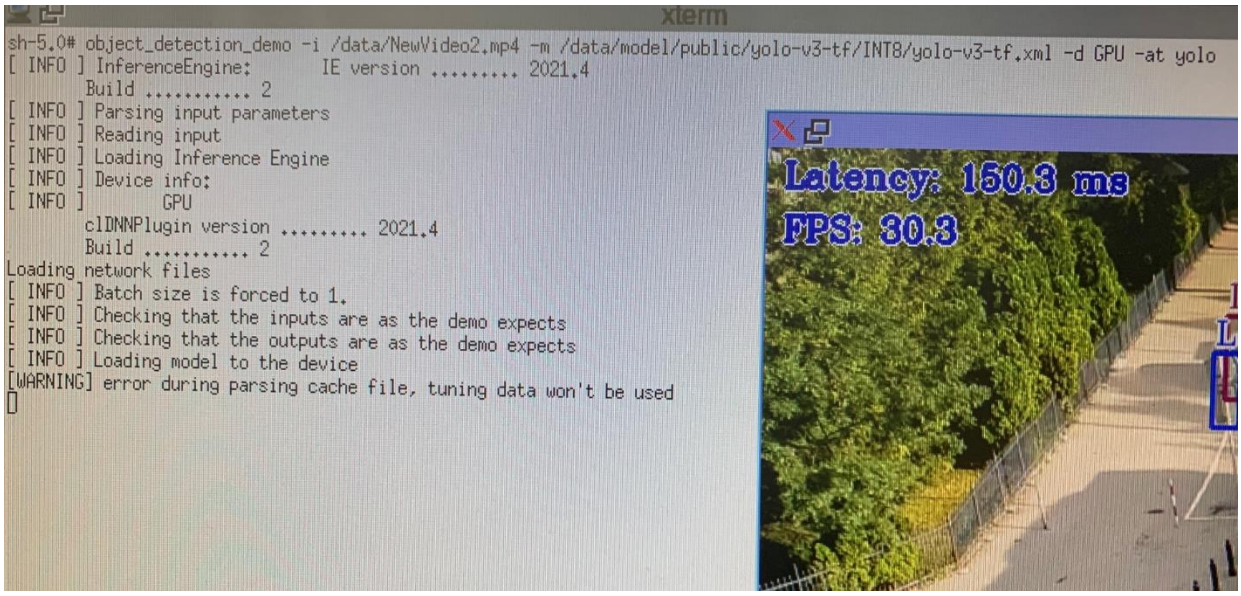
After turning on the machine, you will see the screen as below

Step6: Move the cursor to the bottom left of the screen and click on the empty button left to ICON “1” to execute xterm.

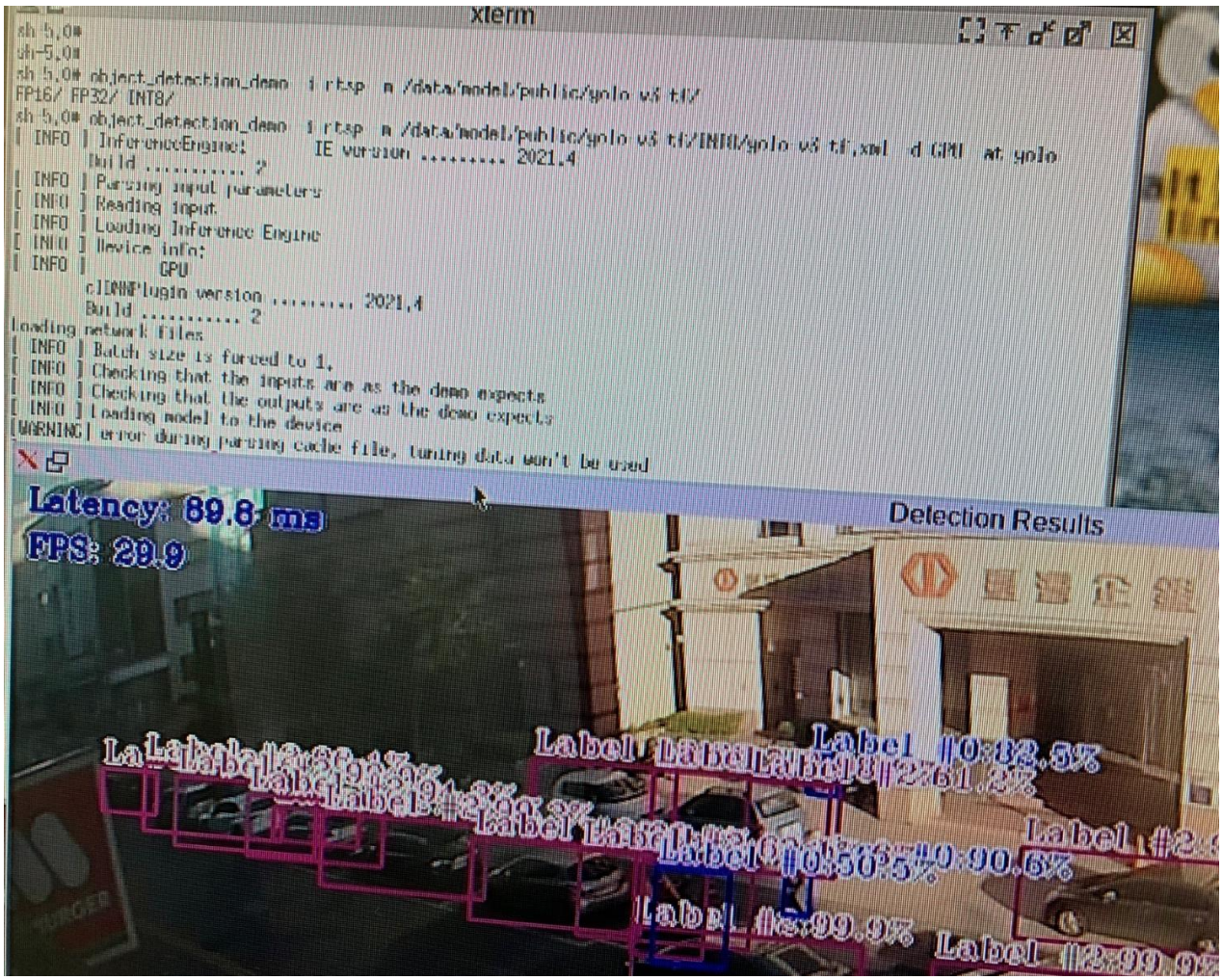
Step 7: While processing xterm, we need to verify if the command “object_detection_demo –h” shows the IE (OpenVINO Inference Engine) version as “2021.4”. After the version is confirmed, we can now use AI accelerated elements with CPU & GPU.



Step 8: USE GPU to enhance AI capacity:
Use object_detection_demo yoloV3 model to speed up the AI test



Step9: Use an IPCAM with motherboard to perform the AI edge function.



If you have any further questions, please email our SW RD at:

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#Source: http://wt-intel.com