21-Nov-2024

Application note – How to configure and check the Hailo-8 AI module.

LINUX (Windows is not supported)

1. Download the Hailo-8-Drivers.zip file and unzip it to **/your/directory/** on the fitlet3 device.
2. Do this commands for install the drivers:

```
sudo -i
sudo apt-get install build-essential
sudo dpkg -i /your/dirctory/*.deb
sudo apt-get install -f
```

3. Download cvedia-rt [2][3] file on DUT: cvedia-rt-on-DUT and unzip it to **/your/directory/** on the fitlet3 device:
4. Follow the commands below for installing the software:

```
sudo -i

sudo dpkg -i /your/dirctory/*.deb

sudo systemctl enable cvedia-rt.service

sudo systemctl start cvedia-rt.service
```

5. Connect the Hailo-8 module (if it was not assembled before)
6. Connect the camera (usb camera).
7. Verify that Hailo-8 is connected and recognized:
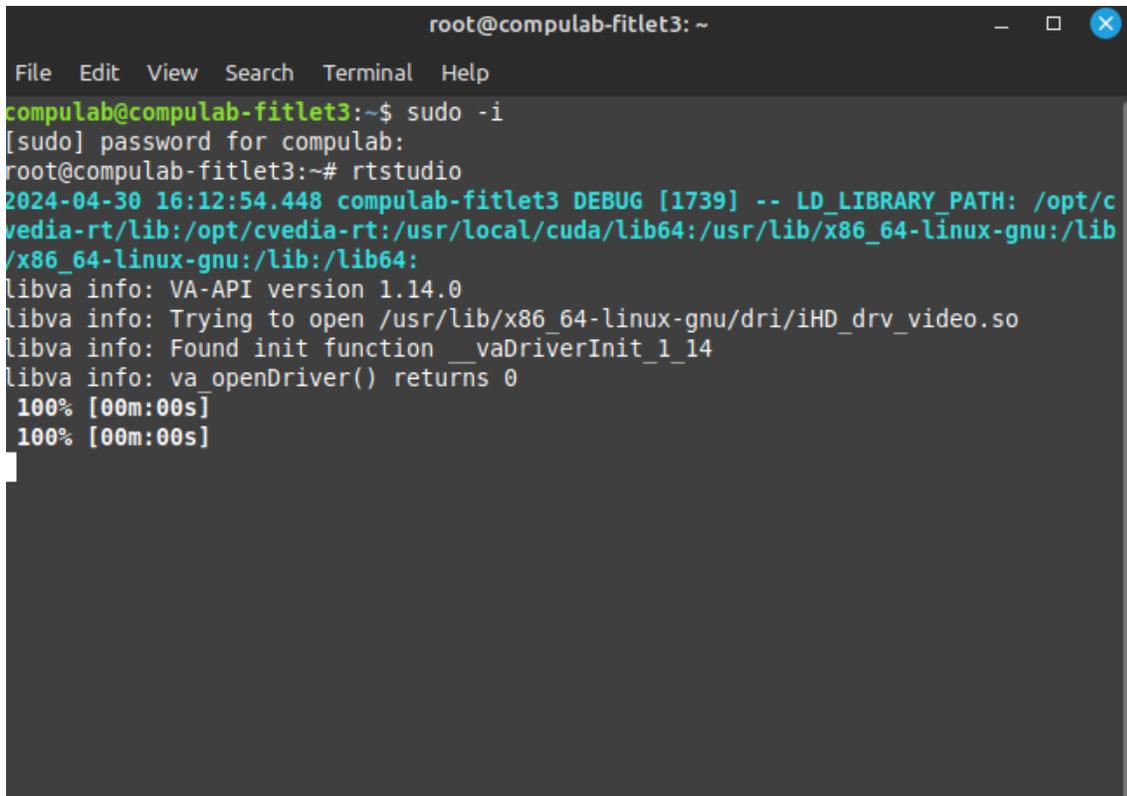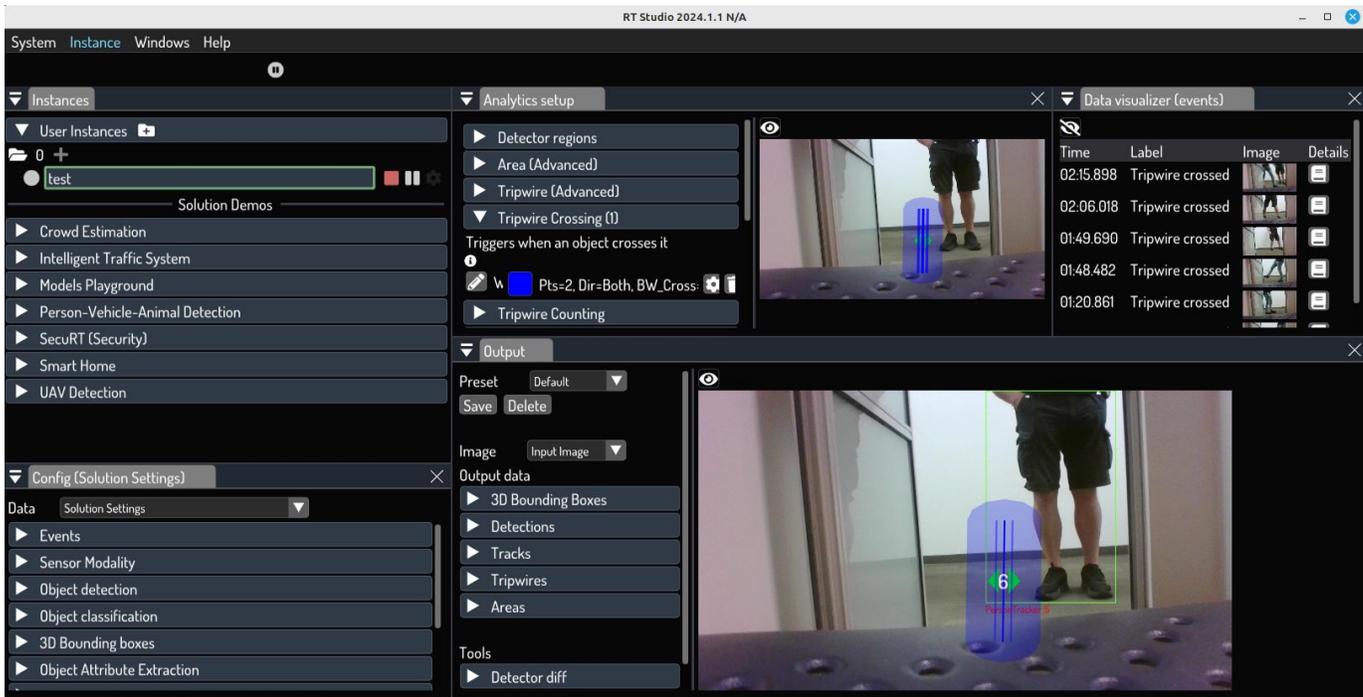
```
idconfig -v | grep hailo
```

8. Start Cvedia-RT

```
rtstudio
```

   Cvedia-rt works with Hailo-8 only with these features:

```
    Intrusion Detection
    Area Enter/Exit Detection
    Loitering Detection
    Crowding Detection
    Tripwire (Line) Crossing
    Tailgating
    Vehicle Type Classification
    Parking Lot Occupancy (3D Bounding Boxes)
```

9. create new User Instances :
   a. Solution: SecuRT (security)
   b. Source: Webcam-0 , 1080P
   c. Analytics: Tripwire Crossing (press 2 point , ctrl + left switch on mouse)
10. SAVE
11. press play to verify that it does work

Further information

https://fit-iot.com/web/
www.fit-pc.com/wiki

Technical support:
       Email: support@fit-pc.com
       Phone: +972-4 829 0134