Seek Thermal Raspberry Pi
Application Note

This is an application note describing how to get a Seek Thermal Camera up and running on a Raspberry Pi running Linux in a matter of seconds.

Download Seekware SDK to Pi Desktop & Install libraries

1) Place the Seekware_SDK_3.2.1.0.zip, or equivalent, file onto a clean Raspberry Pi (Linux PC) and extract the folder.

2) Copy the rules to the Pi by opening a bash shell/terminal window and type the following and hit enter:

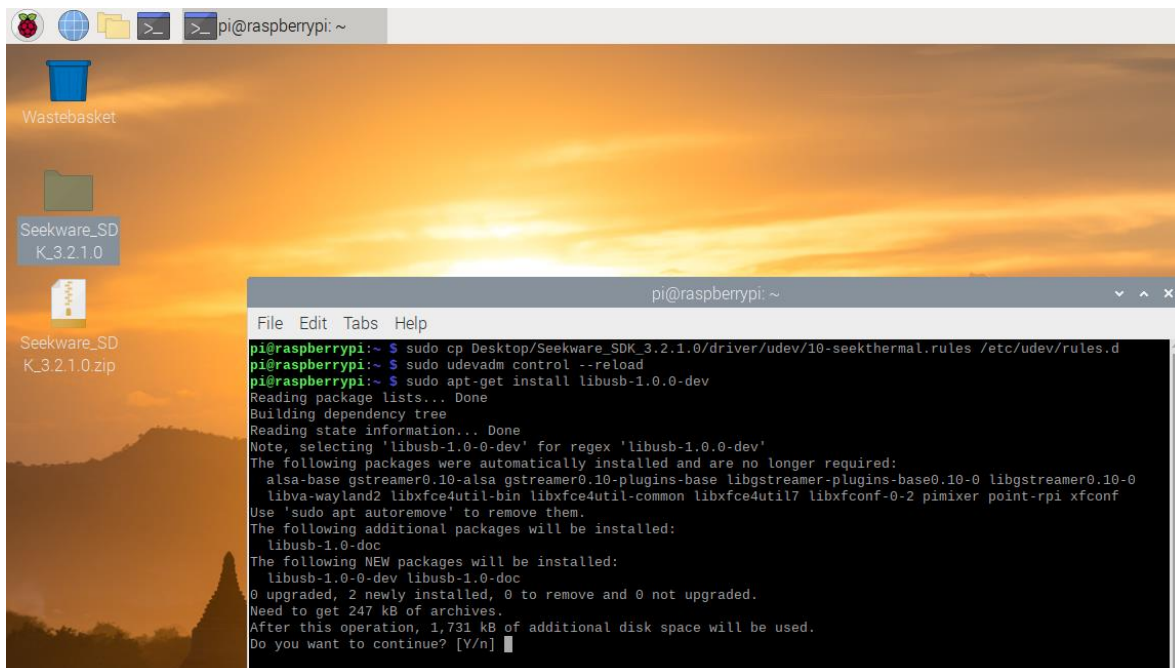>> *sudo cp Desktop/Seekware_SDK_3.2.1.0/driver/udev/10-seekthermal.rules /etc/udev/rules.d*

3) Reload the rules by typing the following and hitting enter:

>> *sudo udevadm control –reload*

4) Install the libusb and libsdl components by typing the following hitting enter, and Y when prompted to continue:

>> *sudo apt-get install libusb-1.0.0-dev*
>> *sudo apt-get install libsdl2-dev*

5) Copy the seekware library file to Pi by typing the following and hitting enter:

>> sudo cp Desktop/Seekware_SDK_3.2.1.0/lib/arm-none-linux-gnueabihf/libseekware.so.3.2 /usr/lib

6) Copy the seekware header file to Pi by typing the following and hitting enter:

>> sudo cp Desktop/Seekware_SDK_3.2.1.0/include/seekware/seekware.h /usr/include

Run Seekware-SDL

7) Navigate to the sdl bin folder by typing:

>> cd Desktop/Seekware_SDK_3.2.1.0/bin/arm-none-linux-gnueabihf

8) Run the SDL application by typing:

>> ./seekware-sdl