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Title : First Light SDK installation manual for linux
Document number :
Issue : 2.6.0
Classification : Public
Customer :
Date : 30/05/2023

Revision history

Issue	Date	Para	Details
1.0.0	28/11/2019		Initial release
2.0.0	01/06/2021		
2.5.0	04/03/2022		
2.6.0	30/05/2023		Add Ubuntu 20.04


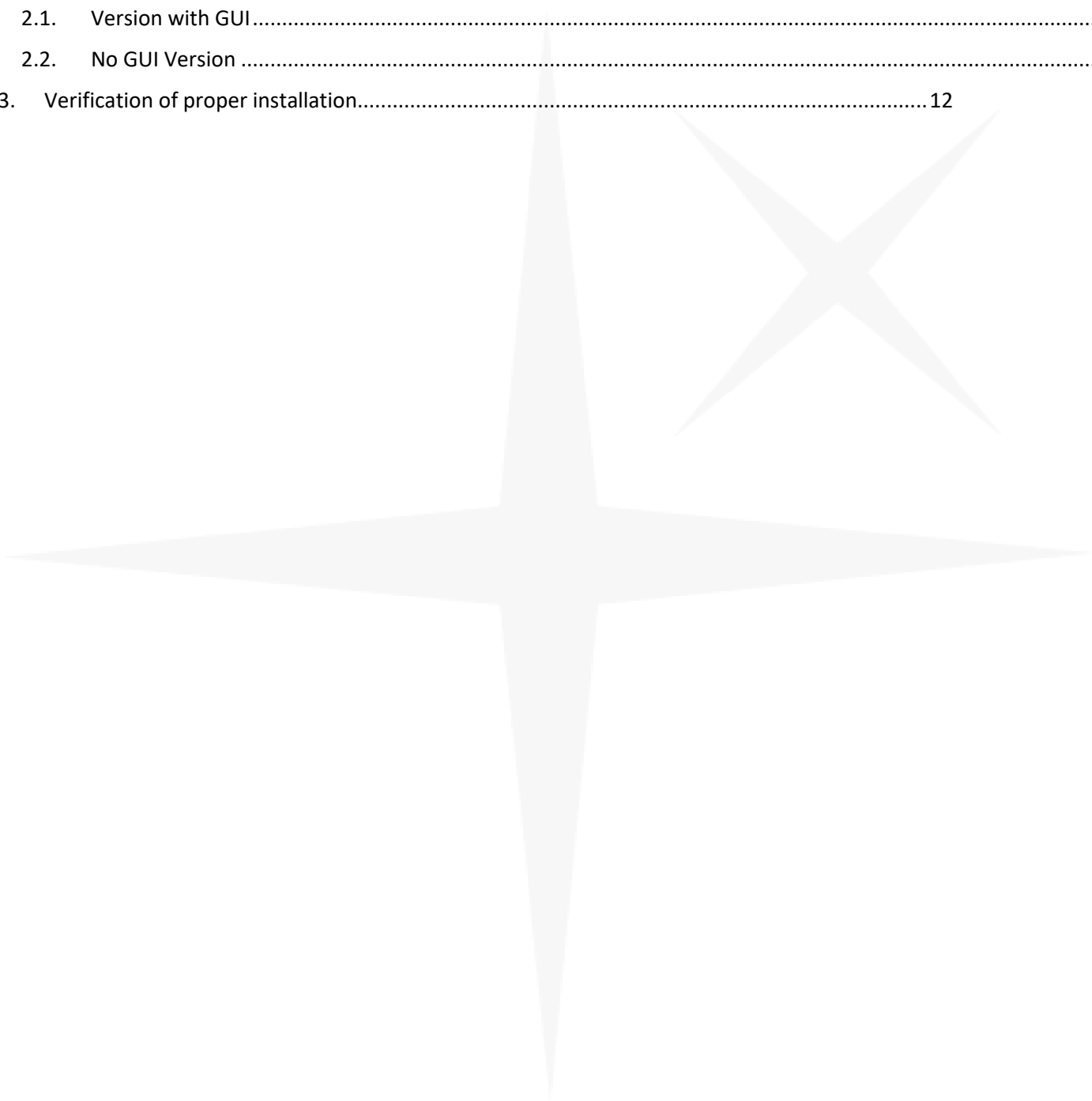

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1. Introduction

First Light SDK and its installer have been tested on the following platforms:

- Ubuntu 16.04 LTS x64
- Ubuntu 18.04 LTS x64
- Ubuntu 20.04 LTS x64
- CentOS 7.9.2009
- Nvidia Jetson Nano, Tx2, Xavier NX and Xavier AGX


The installer will provide the following components:

- SDK binaries and include
- C/C++ Demonstration software and the corresponding source files.
- Python Demonstration software and the corresponding source files.
- MicroManager plugin

The FLiSdk has been tested with the following grabbers:

- Matrox Radiant ev-CL
- Matrox Rapixo CXP (only 18.04)
- Euresys Coaxlink Duo CXP-12
- Eurests Grablink Full CL
- Bitflow CL
- EDT Visionlink F4
- USB 3.0

And with a specific driver version that can be downloaded from the website.

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2. Installation procedure

2.1. Version with GUI

Open a console and run “chmod +x FliSdk_X_X_X_Distribution.run” then “sudo FliSdk_X_X_X_Distribution.run”,

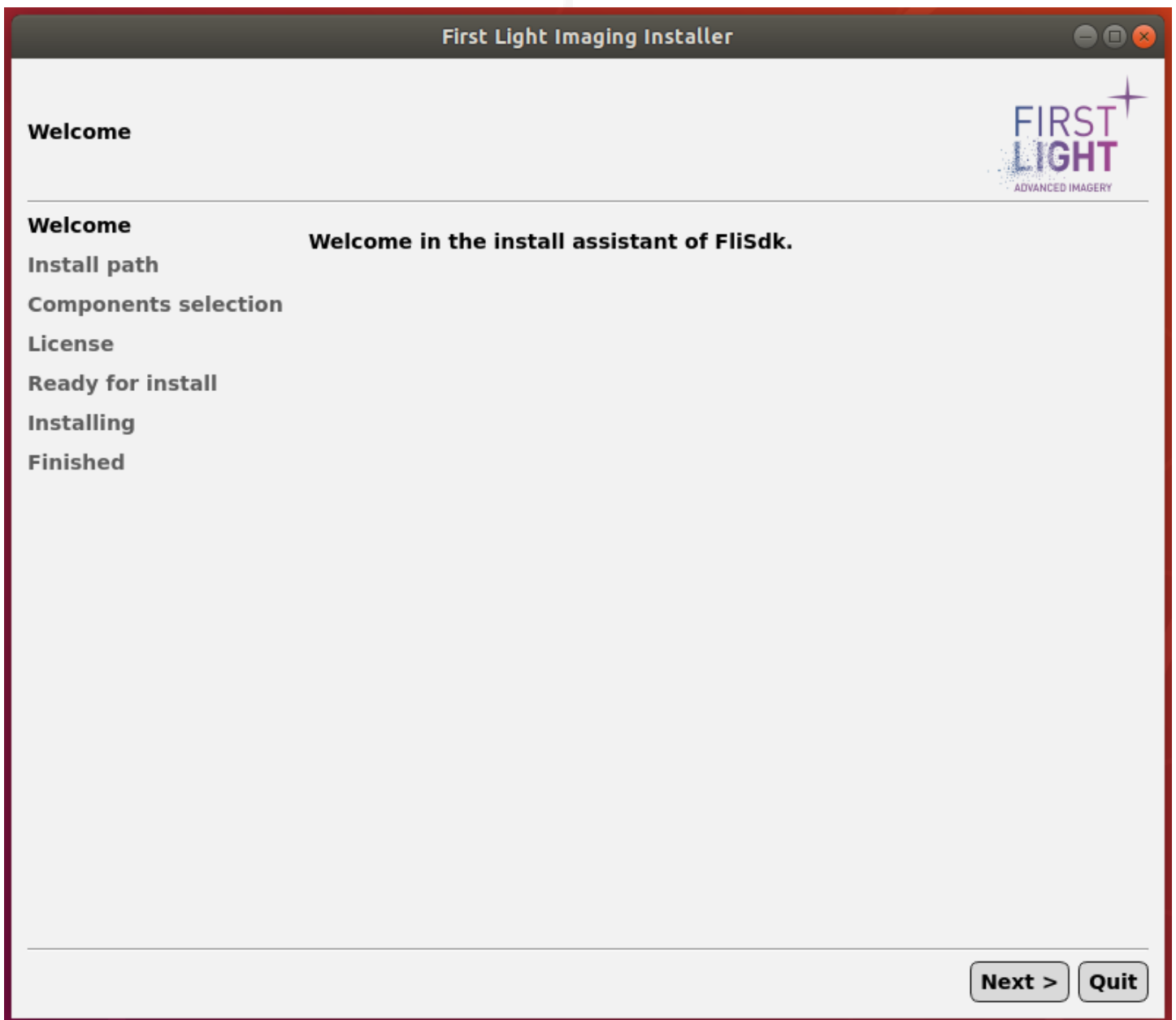



Fig. 1 : Installer window

Click on *Next*, then choose the installation directory:

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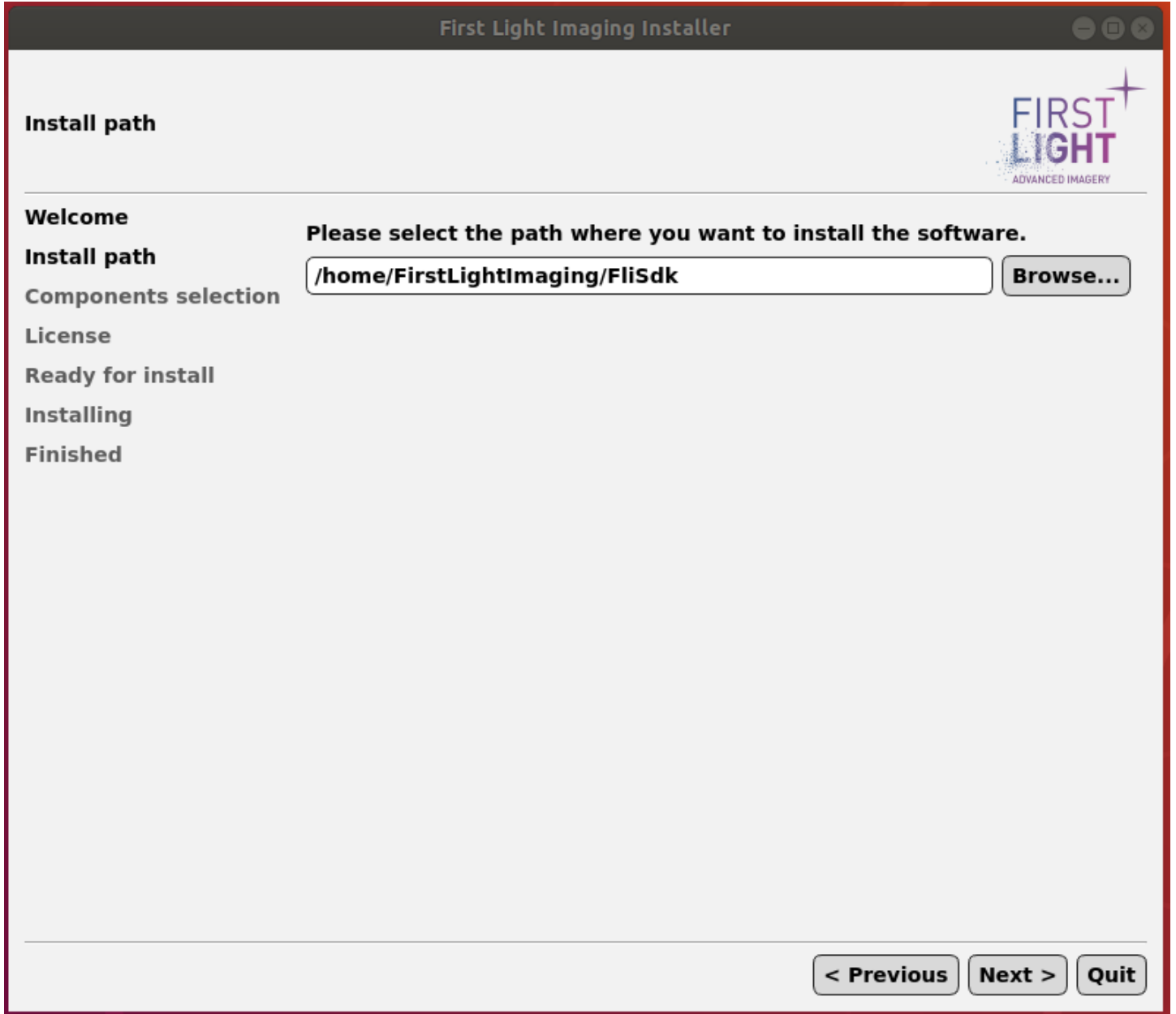


Fig. 2 : Installation directory selection

Click on *Next*, then select the packages you want to install:

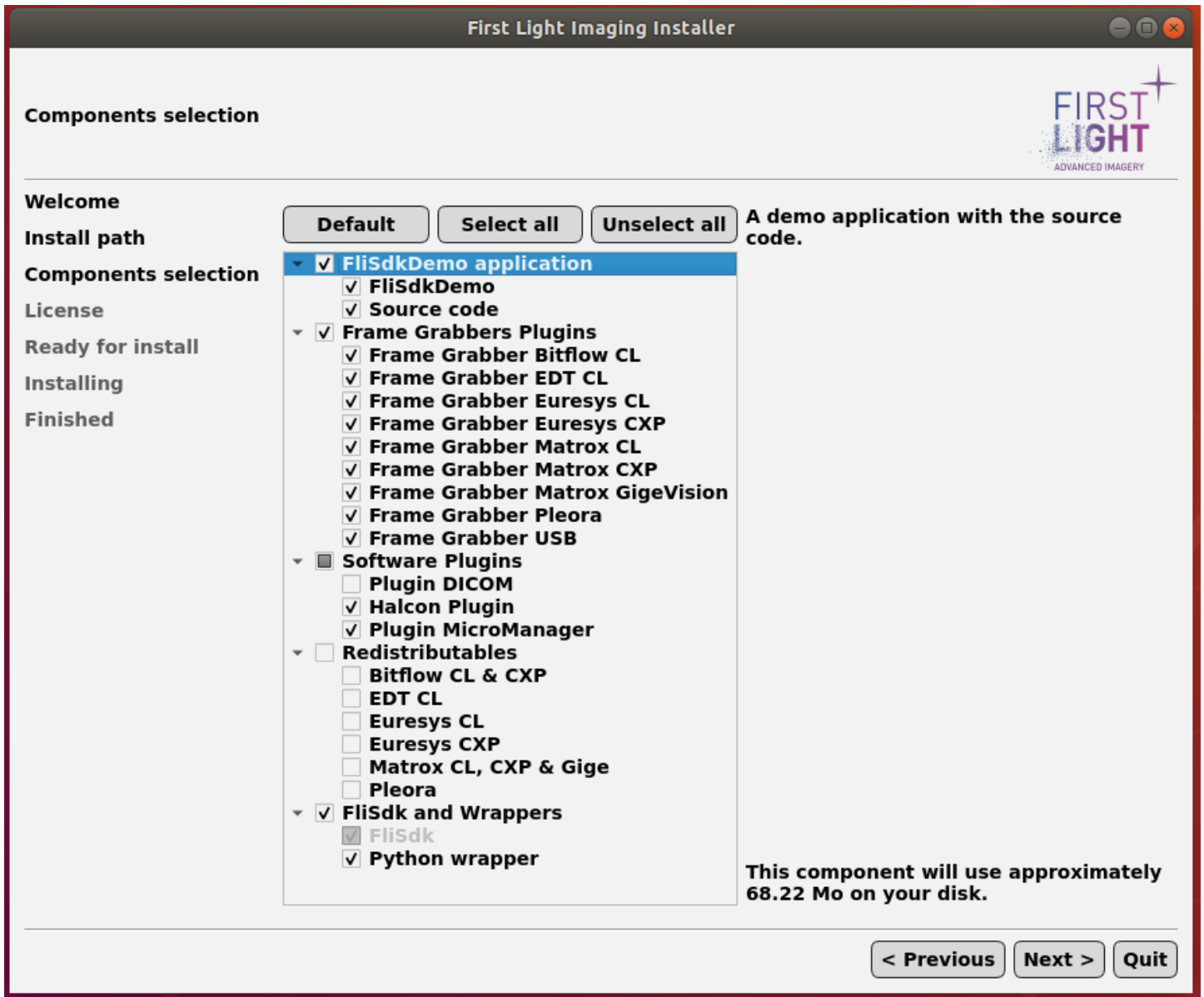



Fig. 3 : Component Selection (online installer)

Note: Redistributables will be downloaded from our server and must be installed manually.

Once the selection of components is done, click on *Next* and accept the license agreement.

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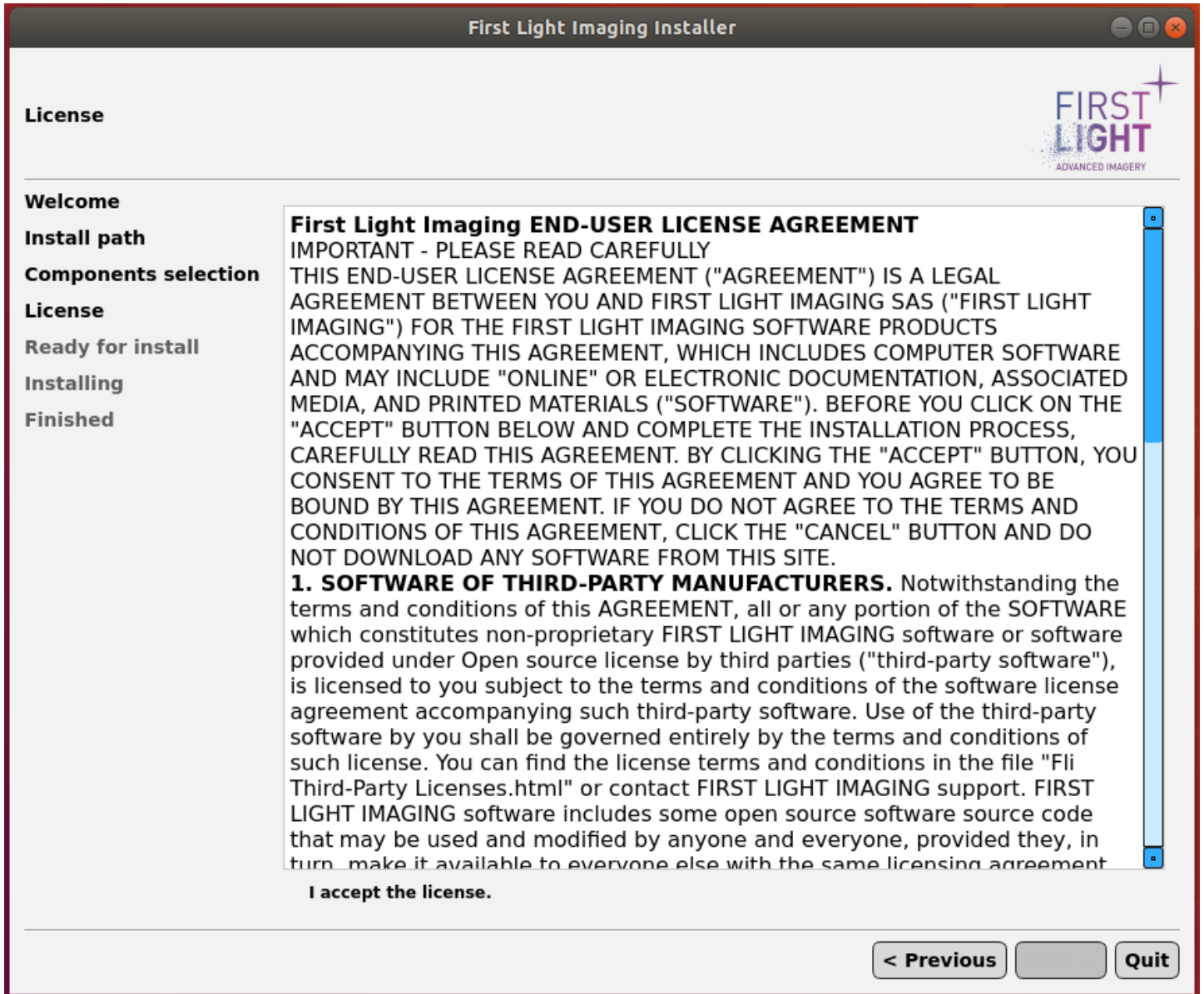



Fig. 4 : License agreement

Click on “Next”,

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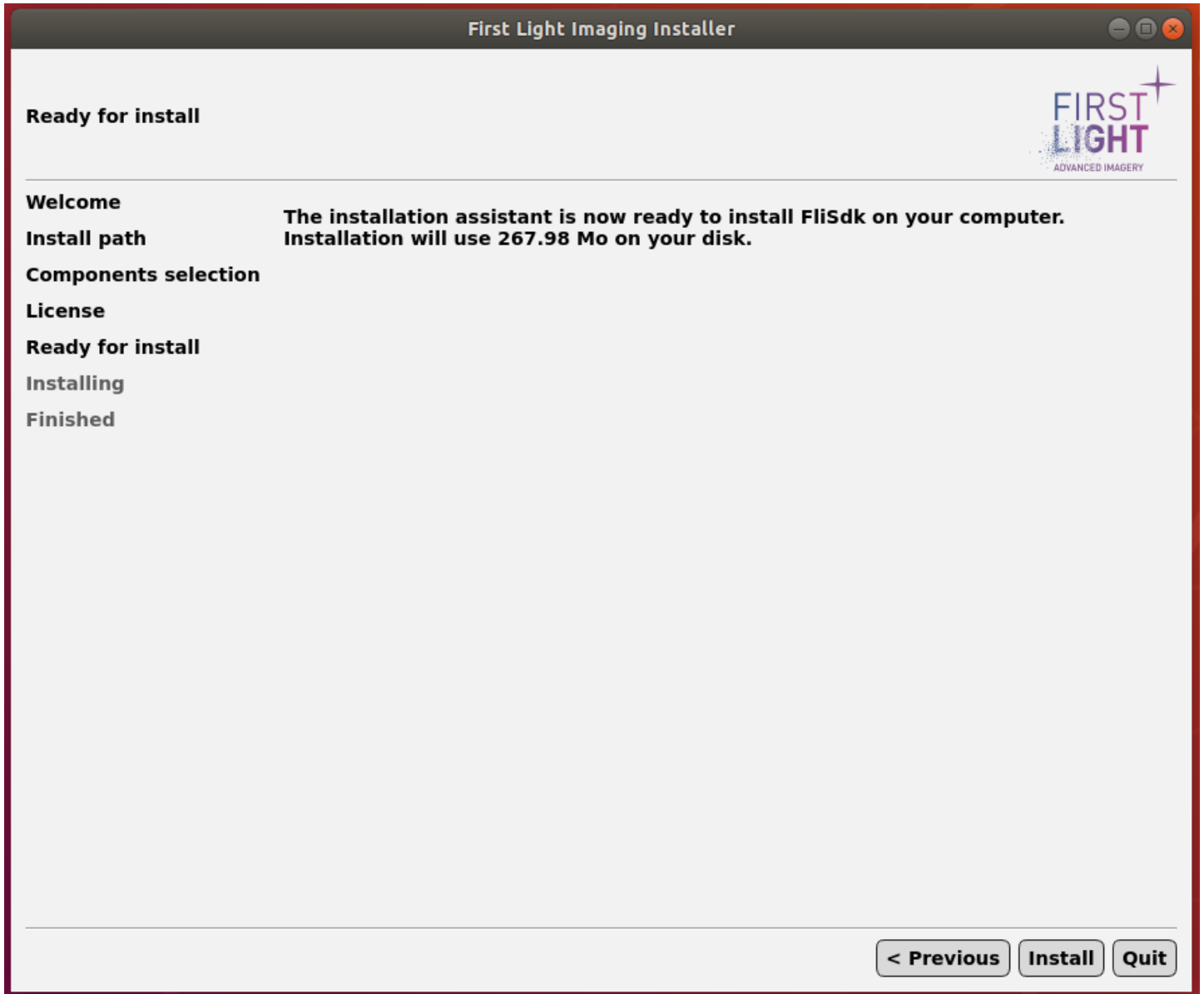



Fig. 5 : Launching install

Click on *Install* to launch the installation.

The installation progress window appears.

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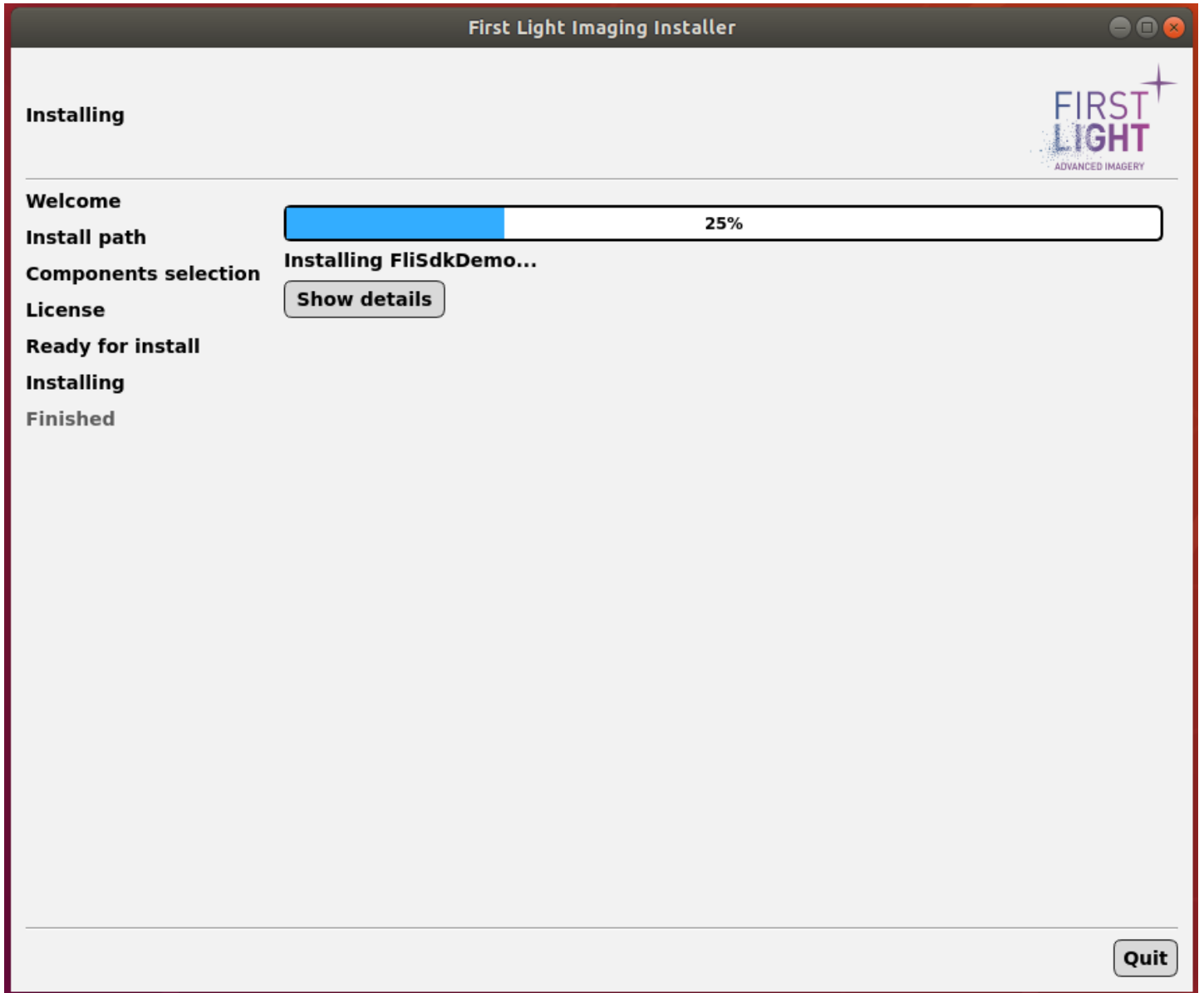



Fig. 6 : Installation progress

The installation is now complete, click on *Next*,

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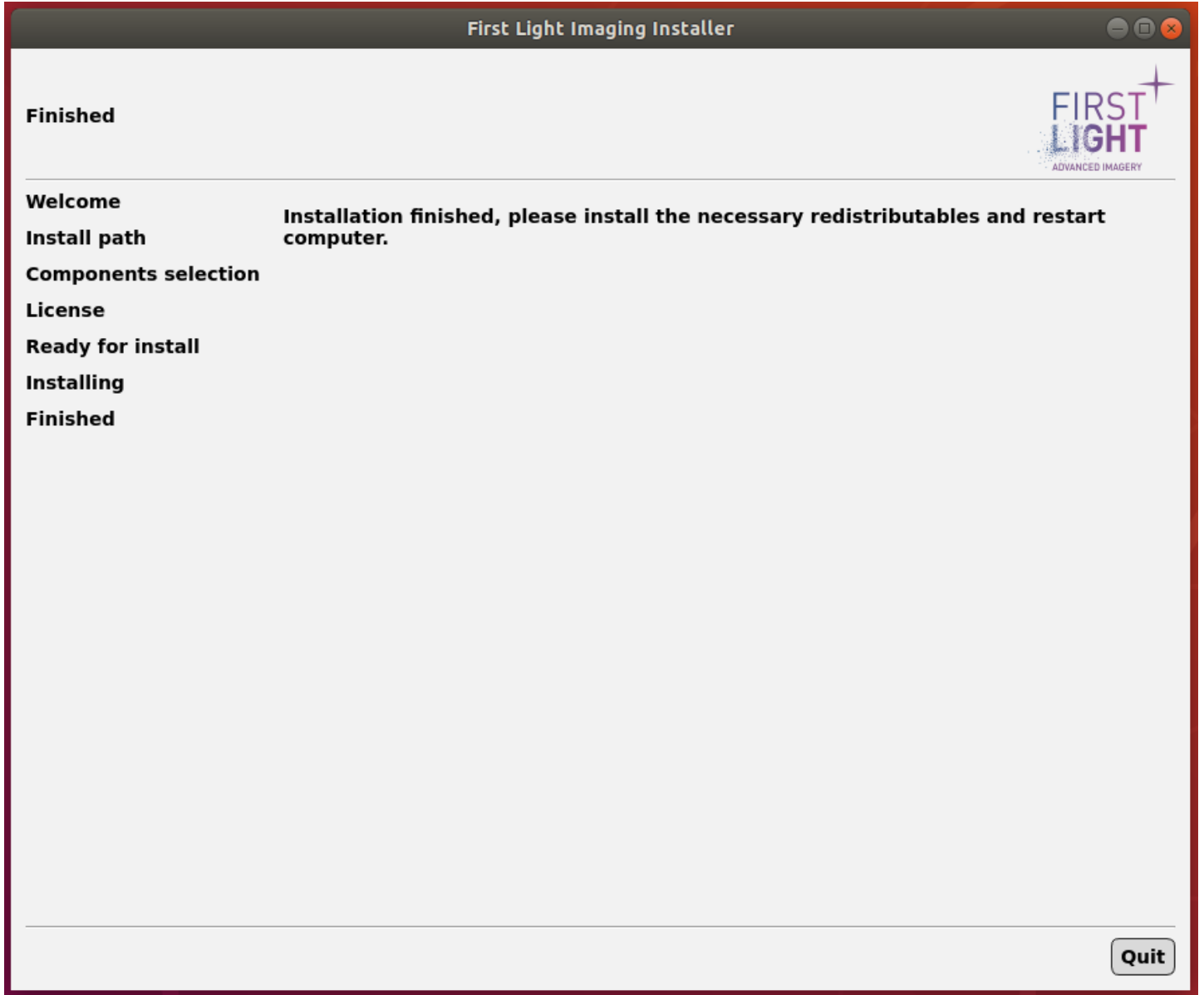




Fig. 7 : End of install

Click on *Quit* to end the installer.

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2.2. No GUI Version

Open a console and run “`chmod +x FliSdk_X_X_X_Distribution_NoGui.run`” then “`sudo ./FliSdk_X_X_X_Distribution_NoGui.run`”, choose the installation directory and press enter, installation start automatically then you can reboot the computer.

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3. Verification of proper installation.

Once your computer is rebooted, verify the installation directory, and check that you have the following:

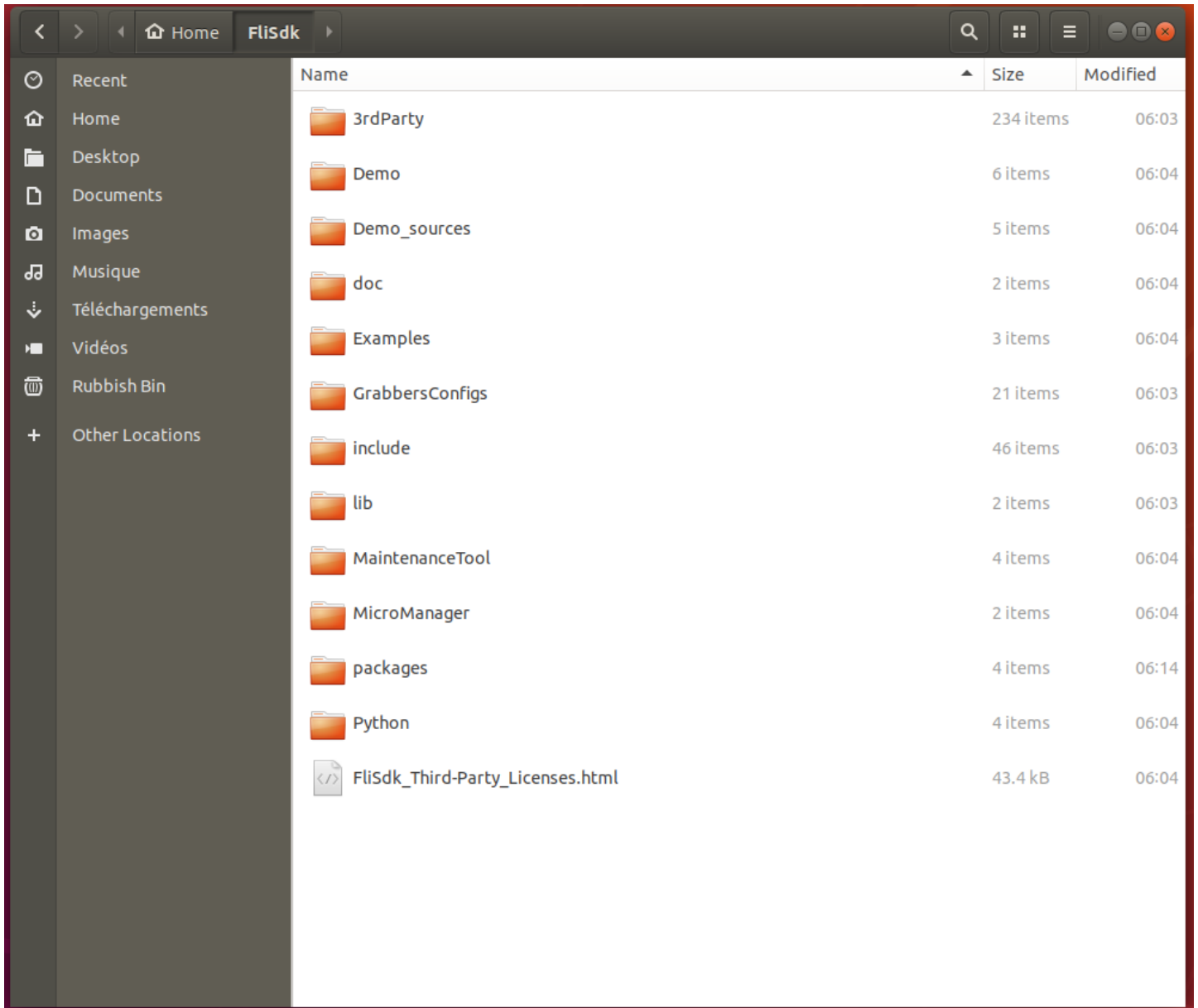


Fig. 8 : Install directory

Note: Installation directory is not the same on Jetson.