

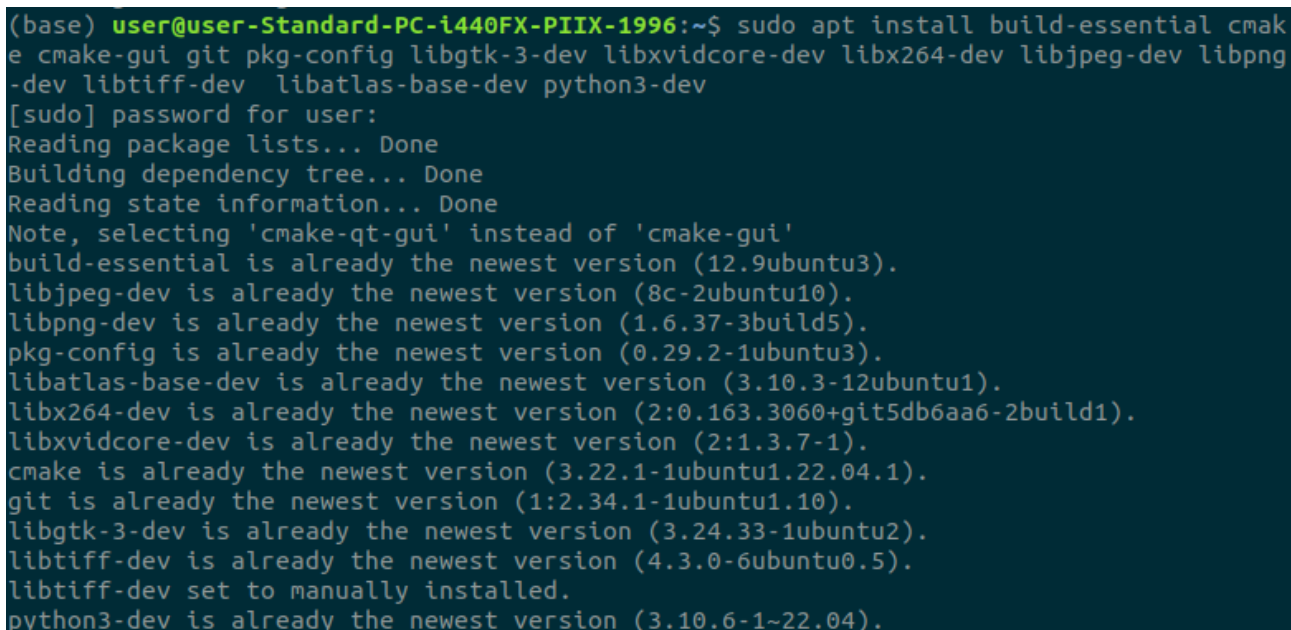
## **Инструкция по установке программного обеспечения WiseMerger.**

Данная инструкция предназначена для проведения установки программного обеспечения WiseMerger, на операционной системе Ubuntu 20.04:

### **Шаг 1. Установка инструментов сборки и зависимостей, необходимых для компиляции и автоматической сборки ПО из исходного кода:**

Откройте терминал при помощи горячих клавиш Ctrl+Alt+T. Введите в терминале команду:

```
sudo apt install build-essential cmake cmake-gui git pkg-config libgtk-3-dev  
libxvidcore-dev libx264-dev libjpeg-dev libpng-dev libtiff-dev libatlas-base-  
dev python3-dev
```



```
(base) user@user-Standard-PC-i440FX-PIIX-1996:~$ sudo apt install build-essential cmake  
cmake-gui git pkg-config libgtk-3-dev libxvidcore-dev libx264-dev libjpeg-dev libpng-  
-dev libtiff-dev libatlas-base-dev python3-dev  
[sudo] password for user:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
Note, selecting 'cmake-qt-gui' instead of 'cmake-gui'  
build-essential is already the newest version (12.9ubuntu3).  
libjpeg-dev is already the newest version (8c-2ubuntu10).  
libpng-dev is already the newest version (1.6.37-3build5).  
pkg-config is already the newest version (0.29.2-1ubuntu3).  
libatlas-base-dev is already the newest version (3.10.3-12ubuntu1).  
libx264-dev is already the newest version (2:0.163.3060+git5db6aa6-2build1).  
libxvidcore-dev is already the newest version (2:1.3.7-1).  
cmake is already the newest version (3.22.1-1ubuntu1.22.04.1).  
git is already the newest version (1:2.34.1-1ubuntu1.10).  
libgtk-3-dev is already the newest version (3.24.33-1ubuntu2).  
libtiff-dev is already the newest version (4.3.0-6ubuntu0.5).  
libtiff-dev set to manually installed.  
python3-dev is already the newest version (3.10.6-1~22.04).
```

### **Шаг 2. Установка библиотек для чтения данных с камер:**

Введите в терминале команду:

```

(base) user@user-Standard-PC-i440FX-PIIX-1996:~$ sudo apt install libsqlite3-dev sqlite3 curl libcurl4-openssl-dev libv4l-dev libv4l-0 libtiff-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
libv4l-0 is already the newest version (1.22.1-2build1).
libv4l-0 set to manually installed.
libv4l-dev is already the newest version (1.22.1-2build1).
curl is already the newest version (7.81.0-1ubuntu1.13).
libcurl4-openssl-dev is already the newest version (7.81.0-1ubuntu1.13).
libcurl4-openssl-dev set to manually installed.
libtiff-dev is already the newest version (4.3.0-6ubuntu0.5).
The following packages were automatically installed and are no longer required:
  libnvidia-common-525 libnvidia-common-530
Use 'sudo apt autoremove' to remove them.
Suggested packages:
  sqlite3-doc
The following NEW packages will be installed:
  libsqlite3-dev sqlite3
0 upgraded, 2 newly installed, 0 to remove and 317 not upgraded.
Need to get 1 615 kB of archives.
After this operation, 5 037 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsqlite3-dev amd64 3.37.2-2ubuntu0.1 [846 kB]
Get:2 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 sqlite3 amd64 3.37.2-2ubuntu0.1 [768 kB]
Fetched 1 615 kB in 1s (3 184 kB/s)
Selecting previously unselected package libsqlite3-dev:amd64.
(Reading database ... 444910 files and directories currently installed.)
Preparing to unpack ../libsqlite3-dev_3.37.2-2ubuntu0.1_amd64.deb ...
Unpacking libsqlite3-dev:amd64 (3.37.2-2ubuntu0.1) ...
Selecting previously unselected package sqlite3.
Preparing to unpack ../sqlite3_3.37.2-2ubuntu0.1_amd64.deb ...
Unpacking sqlite3 (3.37.2-2ubuntu0.1) ...
Setting up libsqlite3-dev:amd64 (3.37.2-2ubuntu0.1) ...
Setting up sqlite3 (3.37.2-2ubuntu0.1) ...
Processing triggers for man-db (2.10.2-1) ...

```

### **Шаг 3. Установка библиотеки Qt5:**

Введите в терминале команду:

```
sudo apt-get -y install qt5-default
```

### **Шаг 4. Установка библиотеки компьютерного зрения OpenCV:**

Устанавливаем пакет библиотек FFmpeg.

```
sudo dpkg -i /opt/data/dist/dist64/ffmpeg-2.8.1_2.8.1_ubuntu18.04_amd64.deb
```

Устанавливаем пакет библиотек OpenCV .

```
sudo dpkg -i /opt/data/dist/dist64/opencv-3.4.7_3.4.7_ubuntu18.04_amd64.deb
```

### **Шаг 5. Установка ПО Merger:**

Введите в терминале команду:

```
sudo dpkg -i merger_viewer_soft.deb
```