

QCAP Linux Application Guide

◆ Overview

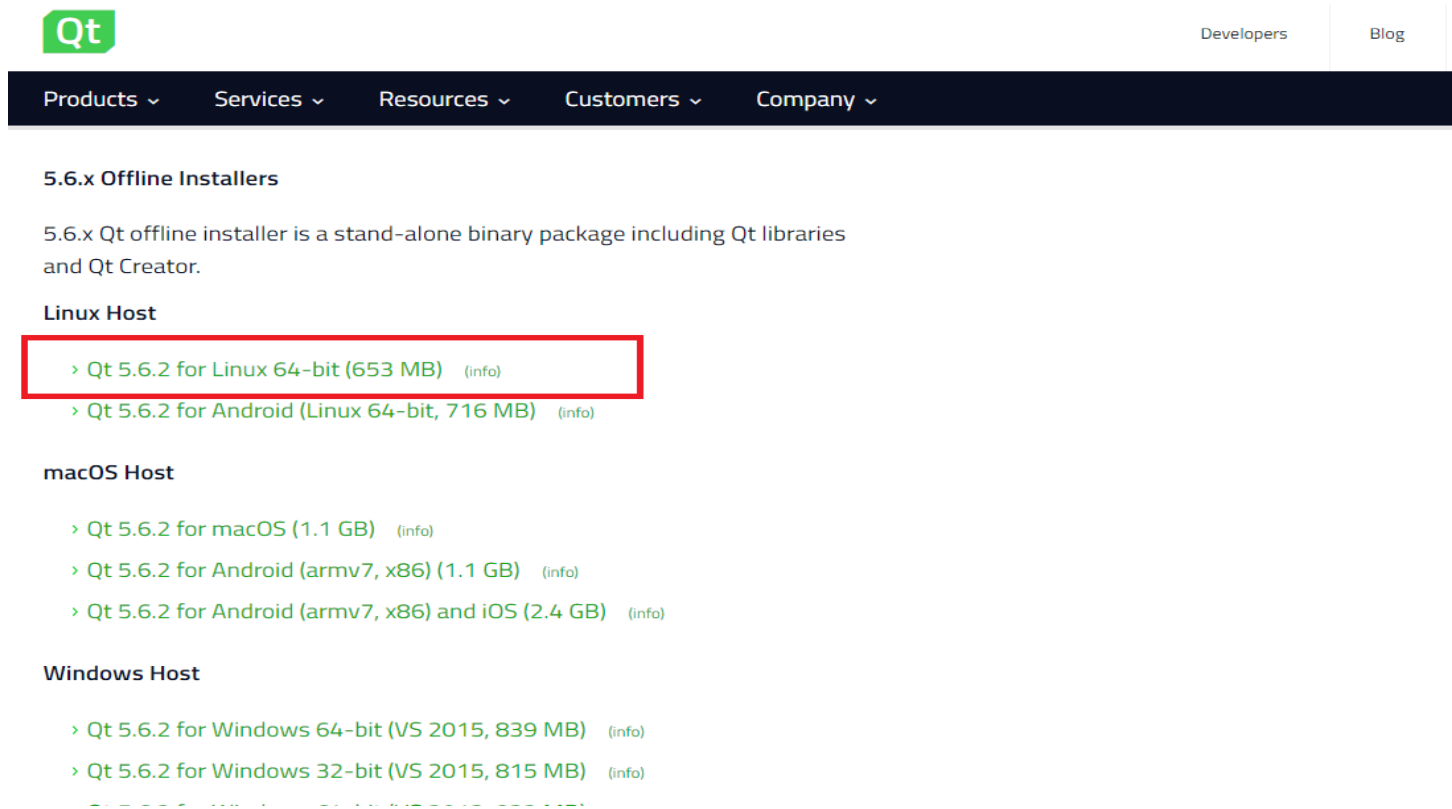
In this document, we will explain how to use QCAP SDK on linux.

◆ Preparation

1. Ubuntu 14.04
2. QCAP/TOOLS (LINUX)
3. Qt Creator 5x

QCAP Linux Application Guide

1. 下載 Qt <https://www.qt.io/download-open-source/#section-2>
2. 安裝 `chmod +x qt-opensource-linux-x64-5.6.2.run`
`./qt-opensource-linux-x64-5.6.2.run`



The screenshot shows the Qt 5.6.x Offline Installers page. The Qt logo is in the top left, and 'Developers' and 'Blog' links are in the top right. A dark navigation bar contains 'Products', 'Services', 'Resources', 'Customers', and 'Company' with dropdown arrows. The main content area is titled '5.6.x Offline Installers' and describes the offline installer as a stand-alone binary package. Under the 'Linux Host' section, two links are listed: 'Qt 5.6.2 for Linux 64-bit (653 MB)' (highlighted with a red box) and 'Qt 5.6.2 for Android (Linux 64-bit, 716 MB)'. The 'macOS Host' section lists three links: 'Qt 5.6.2 for macOS (1.1 GB)', 'Qt 5.6.2 for Android (armv7, x86) (1.1 GB)', and 'Qt 5.6.2 for Android (armv7, x86) and iOS (2.4 GB)'. The 'Windows Host' section lists two links: 'Qt 5.6.2 for Windows 64-bit (VS 2015, 839 MB)' and 'Qt 5.6.2 for Windows 32-bit (VS 2015, 815 MB)'.

Qt

Developers Blog

Products ▾ Services ▾ Resources ▾ Customers ▾ Company ▾

5.6.x Offline Installers

5.6.x Qt offline installer is a stand-alone binary package including Qt libraries and Qt Creator.

Linux Host

- › Qt 5.6.2 for Linux 64-bit (653 MB) [\(info\)](#)
- › Qt 5.6.2 for Android (Linux 64-bit, 716 MB) [\(info\)](#)

macOS Host

- › Qt 5.6.2 for macOS (1.1 GB) [\(info\)](#)
- › Qt 5.6.2 for Android (armv7, x86) (1.1 GB) [\(info\)](#)
- › Qt 5.6.2 for Android (armv7, x86) and iOS (2.4 GB) [\(info\)](#)

Windows Host

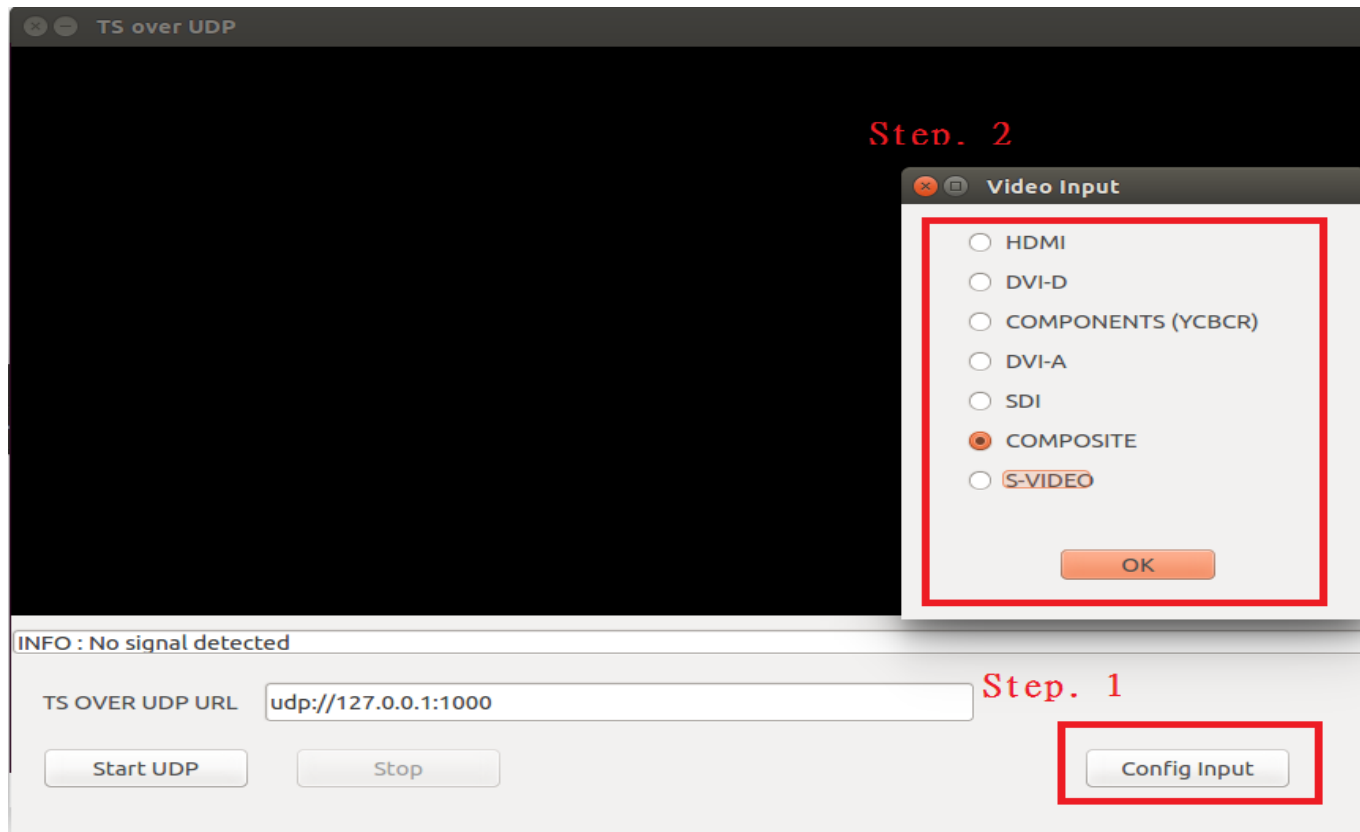
- › Qt 5.6.2 for Windows 64-bit (VS 2015, 839 MB) [\(info\)](#)
- › Qt 5.6.2 for Windows 32-bit (VS 2015, 815 MB) [\(info\)](#)

Environment Setting

1. On the linux operation system, go to the QCAP/TOOLS (LINUX) folder
2. Run the tar -zxvf qt.tar.gz command to decompress
`tar -zxvf qt.tar.gz`
3. Set Qt environment variable
`export QT_QPA_PLATFORM_PLUGIN_PATH=`pwd`/qt/plugins/platforms`
`export LD_LIBRARY_PATH=`pwd`/qt/lib`
4. Set qcap environment variable, go to the /QCAP/LIB (LINUX) folder
Add libqcap.x64 to environment variable
`export LD_LIBRARY_PATH+=:`pwd``
5. Use Qt creator to compiler sample code

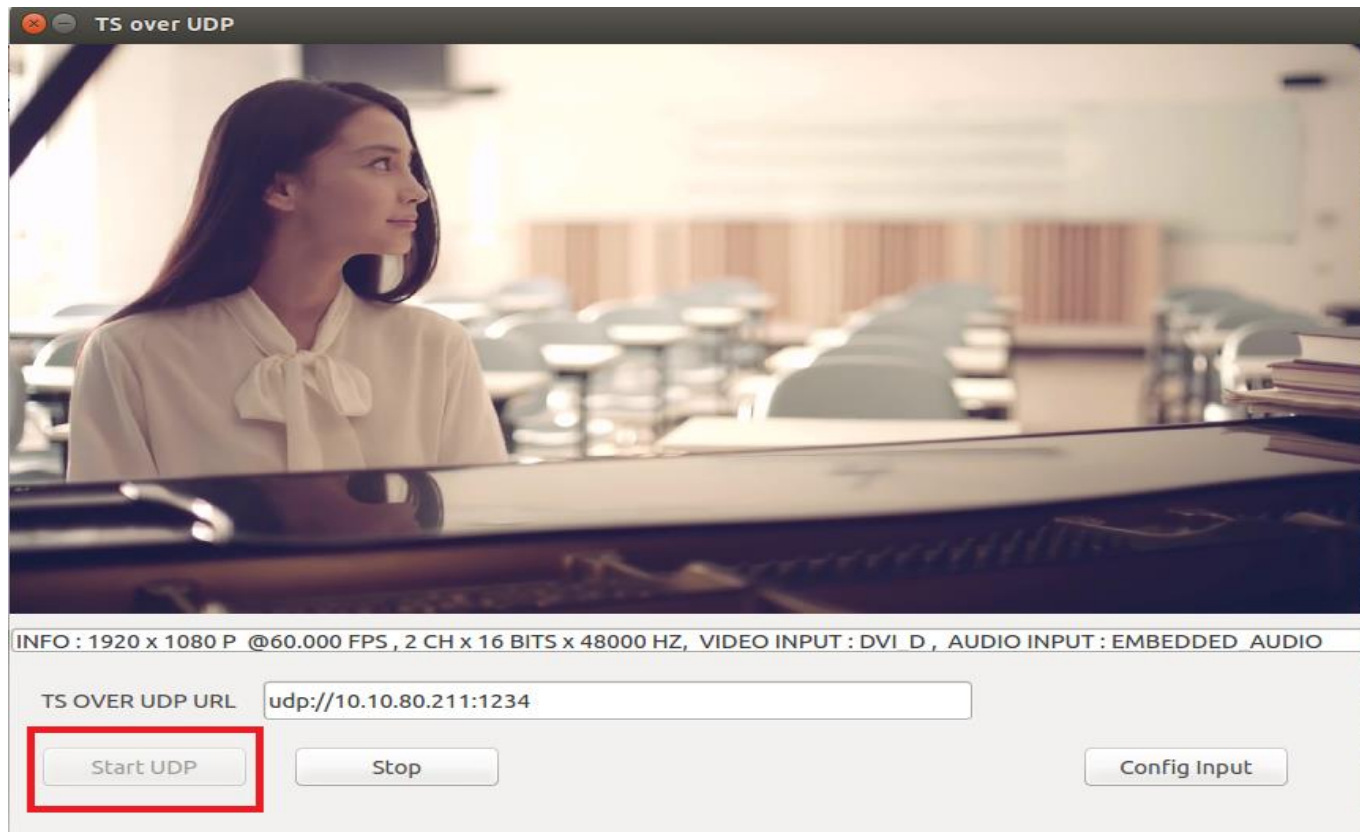
QCAP Linux Application Guide

1. For example, After compiler SAMPLE/SC5A0/UDP.SC5A0.QT and run the app, you can see the user interface. Please click config input to choose input format.



QCAP Linux Application Guide

1. After you can see the video if signal is normal. Then click start UDP to broadcast.



QCAP Linux Application Guide

1. Next you can watch the video streaming by VLC.
(`udp://@udp-ip:port` or `rtp://udp-ip:port`)

