How to use Xi 80 and Xi 410 Ethernet in Linux

Download the PIX Connect software for Optris IR cameras

The camera that is being used in this guide is the Xi 410, which is connected to a Router/Switch that in return builds the communication between camera and the Xi410Ethernet.exe software (PC).

To use **Xi80Ethernet.exe** or **Xi410Ethernet.exe** on Linux **MONO** is needed.

Below is the process on how to get the required packages and install them.

In this PDF Ubuntu will be used as the OS, other supported OS are as follows:

- Debian
- Raspbian
- CentOS/RHEL
- Fedora

Note: Packages should work on newer Ubuntu versions

Ubuntu 20.04

(For older Ubuntu versions refer to the Download guide of the official Mono Site)

Adding the package repository:

```
sudo apt install gnupg ca-certificates
sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 3FA7E0328081BFF6A14DA29AA6A19B38D3D831EF
echo "deb https://download.mono-project.com/repo/ubuntu stable-focal main" | sudo tee /etc/apt/sources.list.d/mono-official-stable.list
sudo apt update
```

Installing Mono packages:

```
sudo apt install mono-complete
```

mono-complete: Covers most cases of “assembly not found”

For more information about the packages refer to the Download guide of the official Mono Site

To verify the installation, use the hello world example from this page.

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Running the desired .exe file:

To run either Xi80- or Xi410Ethernet.exe, first navigate to the folder it is located in (e.g., **cd /home/User/FolderOfTheExeFile**)

Once in the folder, depending on your camera, run the following command:

```
mono Xi410Ethernet.exe
or
mono Xi80Ethernet.exe
```

Note: If the error message “Failed to load module ‘canberra-gtk-module’ ” appears, type into the terminal the following:

```
sudo apt install libcanberra-gtk-module libcanberra-gtk3-module
```

The .exe files are located in the EasyComm folder, which is located in the PIX Connect software. Path example:

home/User/OPT PIX Connect Rel. 3.14.3087.0/SDK/EasyComm

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