

Helpdesk XIMEA

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Python API - Linux installation steps

Support SK - 2023-10-30 - in xiApiPython

https://www.ximea.com/support/wiki/apis/python_inst_linux

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How to install the Ximea Python module:

Python integration is installed together with xiApi, just follow the instructions for package installation:

https://www.ximea.com/support/wiki/apis/XIMEA_Linux_Software_Package#Installation

To check if it is OK, run:

```
python -c "import ximea; print(ximea.__version__)"
```

If version of XIMEA xiAPI.Python is displayed on console (E.g. 4.27.19), then installation is successful.

Additional tools installation:

The following steps are optional. However, these steps are necessary for run all examples:

1. **pip (package manager)** - Python versions $\geq 2.7.9$ and ≥ 3.4 has pip already installed, you can check:

```
pip --version
```

If it is not installed:

```
sudo apt-get install python-pip
```

2. **numpy**

```
pip install numpy
```

To check if it is OK:

```
python -c "import numpy;print(numpy.__version__)"
```

3. **matplotlib**

```
pip install matplotlib
```

To check if it is OK:

```
python -c "import matplotlib;print(matplotlib.__version__)"
```

4. **Pillow**

```
pip install Pillow
```

To check if it is OK:

```
python -c "import PIL;print(PIL.__version__)"
```

NOTE: it is not actual Pillow version, for real version run *pip freeze*.

5. **OpenCV (only Python 2.7.x)**

```
sudo apt-get install libopencv-dev python-opencv
```

To check if it is OK:

```
python -c "import cv2;print(cv2.__version__)"
```

6. See the examples folder.