

YOLO Environment Setup (CPU Version)

Note: The environment is already set up in the factory image and does not need to be rebuilt.

1. System Kernel and Architecture

```
uname -a
```

```
sunrise@ubuntu:~$ uname -a
Linux ubuntu 6.1.83 #2 SMP PREEMPT Mon Jul 21 12:10:52 CST 2025 aarch64 aarch64
aarch64 GNU/Linux
```

2. Preliminary Preparations

```
sudo apt update
sudo apt install python3-pip -y
sudo pip install -U pip
```

3. Install Ultralytics

```
pip3 install ultralytics
```

For more detailed instructions, please refer to this official link: [Install Ultralytics - Ultralytics YOLO Docs](#)