Software Support

Default password

OS	Default User Name	Default Password	Privilege
OpenKylin	roma	roma666	root
Debian	user	starfive	root

Camera

Online camera test

https://webcamtests.com/

Check your camera with tools

```
 1  ls /dev/video*
 2  sudo apt-get install v4l-utils
 3  # query camera devices
 4  v4l2-ctl --list-device
 5  # query all information for a specified camera
 6  v4l2-ctl -d /dev/video0 --all
 7  # query supported video compression format of the camera
 8  v4l2-ctl -d /dev/video0 --list-formats
 9  # query resolution supported by a specific video compression format
10  v4l2-ctl -d /dev/video0 --list-framesizes=MJPG
```

Check your camera with Cheese

```
 1  # install cheese
 2  sudo apt-get install cheese
 3
 4  cheese
```

SSD mounting

Partion a new SSD

```
1  # use below command to bring you into the interactive interface
2  sudo fdisk /dev/nvme0n1
```

Press key: d (delete a partition)

Press key: n (add a new partition)

Press key: p (show the partition table)

Press key: w (write table to disk and exit)

Format disk as Ext4 file system

```
1  sudo mkfs.ext4 /dev/nvme0n1p1
```

```
roma@starfive:~$ sudo mkfs.ext4 /dev/nvme0n1p1
mke2fs 1.46.6-rc1 (12-Sep-2022)
/dev/nvme0n1p1 contains a ext4 file system
        created on Fri Jan 12 08:44:25 2024
Proceed anyway? (y,N) y
Discarding device blocks: done
Creating filesystem with 244190390 4k blocks and 61054976 inodes
Filesystem UUID: aec07d45-0d46-49de-b0d9-a484d8cc20bd
Superblock backups stored on blocks:
        32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
        4096000, 7962624, 11239424, 20480000, 23887872, 71663616, 78675968,
        102400000, 214990848

Allocating group tables: done
Writing inode tables: done
Creating journal (262144 blocks): done
Writing superblocks and filesystem accounting information: done
```

Change OS language

Package installation

```
1  sudo apt-get install locales
```

Install locale

```
1  sudo dpkg-reconfigure locales
2  # use space to add asterisk (*) to the locale you willing to switch then
   select "Write" and exit
3  dpkg-reconfigure locales
```

Switch to root user

```
1  sudo su
```

Switch language to English

```
1  echo "LANG=en_US.UTF-8" > /etc/locale.conf
```

Switch language to Chinese

```
1  echo "LANG=zh_CN.UTF-8" > /etc/locale.conf
```

Reboot system

```
1  reboot
```