

RDK-C rdk-next Yocto 3.1 dunfell build for Raspberrypi

- [Host Setup](#)
- [Build Setup](#)
 - [Initialization](#)
 - [Download/Sync](#)
 - [Layer Cherrypick](#)
 - [Environment Setup](#)
 - [Building](#)
 - [Source Code Cherrypick](#)
- [Flash Procedure](#)

Host Setup

Refer the link for host setup details :[Host Setup](#)

Build Setup

Initialization

```
$ repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkc-nosrc.xml -b dunfell
                                     ( or )
$ repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkc-extsrc.xml -b dunfell
```

Download/Sync

```
$ repo sync -j `nproc` --no-clone-bundle --no-tags
```

Layer Cherrypick

This is the temporary steps,once the changes get merged in rdk-next then we will remove this cherry pick details

Environment Setup

RPI3 B+

Environment Setup

```
$ MACHINE=raspberrypi3-rdk-camera source meta-cmf-raspberrypi/setup-environment
```

RPI0

Environment Setup

```
$ MACHINE=raspberrypi0-rdk-camera source meta-cmf-raspberrypi/setup-environment
```

Building

```
$ bitbake rdk-generic-camera-image
```

Source Code Cherrypick

This is the temporary steps,once the changes get merged in rdk-next then we will remove this cherry pick details

Flash Procedure

```
$ bzcat "Image Name" | sudo dd of="Device Name" bs=4M iflag=fullblock oflag=direct conv=fsync
```

Example:

```
bzcat rdk-generic-camera-image_default_20201127105606.rootfs.wic.bz2 | sudo dd of=/dev/sdc bs=4M  
iflag=fullblock oflag=direct conv=fsync
```