RDKC_2022q1_dunfell

This is the summary page that describes CMF quarterly release rdkc-2022q1-dunfell, based on the new branch rdk-next and dunfell oe layers. Below are links to the relevant documents.

Note: The master branch has been deprecated in select community repositories and rdk-next is now the lead development branch.

Note: The latest rdkc quarterly release addresses licensing issues so users are advised to move to the latest iteration.

- rdkc-2022q1-dunfell RaspberryPi 3 Test Report (Gerrit)

Note: For the Gerrit links, you need to log in before you will be able to see the contents.

Baseline

Baseline	nightly/20220321-dunfell
Post-baseline updates	
TDK	M98
Manifest Branch	rdkc-2022q1-dunfell

Highlights

Components updated since rdkc-2022q4-dunfell

meta-rdk-bsp-emulator	rdk/components/opensource/rtmessage
meta-cmf-video	rdk/components/opensource/sysint
meta-rdk-camera	rdk/devices/raspberrypi/devicesettings
crashupload	rdkc/components/opensource/configMgr
iarmbus	rdkc/components/opensource/cvr
meta-cmf	rdkc/components/opensource/httpClients
meta-cmf-raspberrypi	rdkc/components/opensource/plugins
meta-rdk	rdkc/components/opensource/rms
meta-rdk-ext	rdkc/components/opensource/thumbnail
meta-rdk-video	rdkc/tools/tdkc
rdk_logger	

Community contributions

A detailed changelog since the last release rdkc-2021q4-dunfell can be found here.

Getting the code

Note: The manifests repository is only available to RDK licensees.

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkc-extsrc.xml -b rdkc-2022q1-dunfell
repo sync -j `nproc` --no-clone-bundle --no-tags
```

- The -m rdkc-extsrc.xml in the sequence above is important. If this is not specified, you will get an RDK-V tree by default.
- There is also a nosrc manifest rdkc-nosrc.xml which can be used instead of extsrc
- The -b rdkc-2022q1-dunfell in the build sequence above specifies the branch to use.
- If you omit the -b rdkc-2022q1-dunfell entirely, you will get the HEAD of each component

Building for RaspberryPi0

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkc-extsrc.xml -b rdkc-2022q1-dunfell
repo sync -j `nproc` --no-clone-bundle --no-tags

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

bitbake rdk-generic-camera-image

# To build TDK image
$ bitbake rdk-generic-camera-tdk-image
```

Building for RaspberryPi3

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkc-extsrc.xml -b rdkc-2022q1-dunfell
repo sync -j `nproc` --no-clone-bundle --no-tags

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

bitbake rdk-generic-camera-image

# To build TDK image
$ bitbake rdk-generic-camera-tdk-image
```

Documentation

Documentation on the RDK-C reference platforms including host requirement setup and flashing instructions are available from the following links:

RDK Reference Platforms

RDK-C Raspberry Pi

Testing

Sanity Testing

Sanity tests include:

- Flashed the image and verify the initial boot
- Rebooting the RPI multiple times without doing any operation
- SSH connectivity
- WiFi Connection
- Camera Detection
- CVR playback validation using v4l2 source
- CVR Downloaded clip playback via VLC player
- RMS Playback through RTSP

TDK Testing

- TDK component tests were run against the release, RPI results are available here.
- TDK Test Lists were based on TDK M98 Release
- Refer to the test release metrics page for detailed test results and comparison to previous releases *(available for preferred members only)*