

rdkv-2022q3 dunfell IP Client

This is the summary page that describes CMF dunfell quarterly release **rdkv-2022q3-dunfell** for the opensource IP Client STB profile based on RPi platform.

This release is based on the branch rdk-next and yocto project versions **dunfell**

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

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Baseline

rdkv-2022q3-dunfell

Baseline Dunfell	nightly/20220827-dunfell
Manifest Branch Dunfell	rdkv-2022q3-dunfell

Highlights

Components updated since 2022 Q2

meta-rdk-asp	xr-speech-avs-sdk	meta-cmf-raspberrypi	xraudio
closedcaption	blercudaemon	meta-rdk	xraudio-adpcm
fog	bluetooth	meta-rdk-ext	xraudio-hal_ctrlm
gststreamer-cxx	bluetooth_leAppMgr	meta-rdk-video	xupnp
meta-cmf-qt5	bluetooth_mgr	meta-rdk-voice	rdk/components/opensource/gstreamer-direct-platform
meta-cmf-raspberrypi-restricted	cobalt	meta-rdk-voice-sdk	rdk/components/opensource/rtmessage
meta-cmf-video	control	rdk_logger	rdk/components/opensource/sysint
meta-cmf-video-reference	cpuprocanalyzer	rdkmediaplayer	rdk/components/opensource/tvsettings
meta-cmf-video-reference-next	crashupload	rdkx_logger	rdk/components/opensource/tvsettings/stubs
meta-cmf-video-restricted	dca	rdm	rdk/devices/opensource/raspberrypi/sysint
sessionmgr	devicesettings	rfc	rdk/devices/raspberrypi/devicesettings
subtec-app	gst-plugins-rdk-aamp	rmf_mediastreamer	rdk/tools/tdk
websocket-ipplayer2	gst_svp_ext	servicemanager	rdkv/tools/tdkv
websocket-ipplayer2-api	hwselftest	streamfs_fcc	tools/tdk-advanced
websocket-ipplayer2-utils	iarmmgrs	iarm_event_sender	

RDK_apps	injectedbundle	telemetry	
rbus	jst	tr69hostif	
rbuscore	lxc-container-generator	trm	
westeros	mediaframework	wifi	
meta-rdk-restricted	netmonitor	xr-speech-router	
aamp	netsrvmgr	xr-speech-vrex	
alexa_skill_mapper	meta-cmf	xr_mq	

Community contributions

- *Note: For the Gerrit links, you need to log in before you will be able to see the contents.*
- A detailed changelog since the last release [rdkv-2022q2-dunfell](#) can be found [here](#).

Getting the code

Note: The [rdkcmf/manifests](#) repository is opensource and can be used to build the IP Client RPi Profile.

Building for RaspberryPi IP Client

```
mkdir <workspace dir>
cd <workspace dir>

# <release manifest branch> is rdkv-2022q3-dunfell for dunfell
repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkv-extsrc.xml -b <release manifest branch>
repo sync -j4 --no-clone-bundle

MACHINE=raspberrypi-rdk-ipmc source meta-cmf-raspberrypi/setup-environment

bitbake rdk-generic-ipclient-image
```

Note. The kernel Image and root filesystem will be created under the `./tmp/deploy/images/raspberrypi-rdk-ipmc` folder

Documentation

[RDK Reference Platforms](#)

[RDK-V R-Pi Yocto 2.2 - Morty](#)

[RDK-V R-Pi Yocto 3.1 - Dunfell](#)

[IP Client Based STB \(Raspberry Pi\)](#)

[RDK Services on Raspberrypi](#)

[RDK Services on RPi User Manual](#)

Testing

Sanity Testing

Sanity tests include:

- Playing video from local source using `gst-play`.
- Playing video using `gstplayer` (`gst-launch`).
- Playing video using `aamp-cli` (HLS and DASH)
- RDK Resident App Verification
- Controller UI Verification

- Wifi **REFPLTV-1482** - Getting issue details... STATUS
- Bluetooth remote