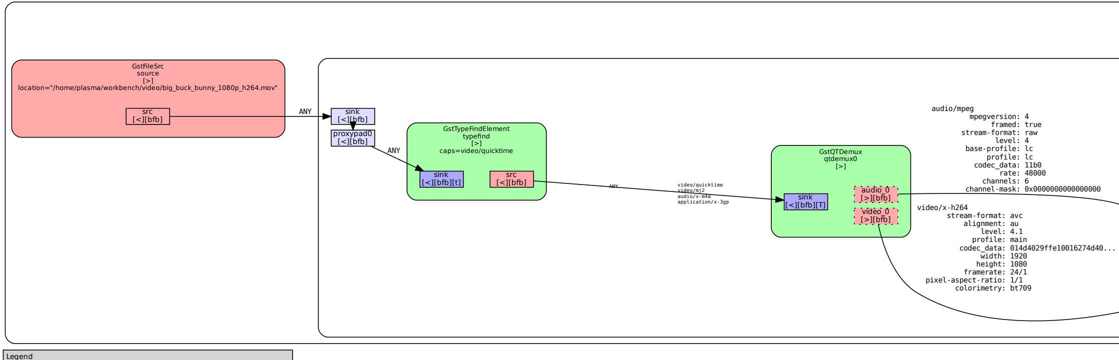
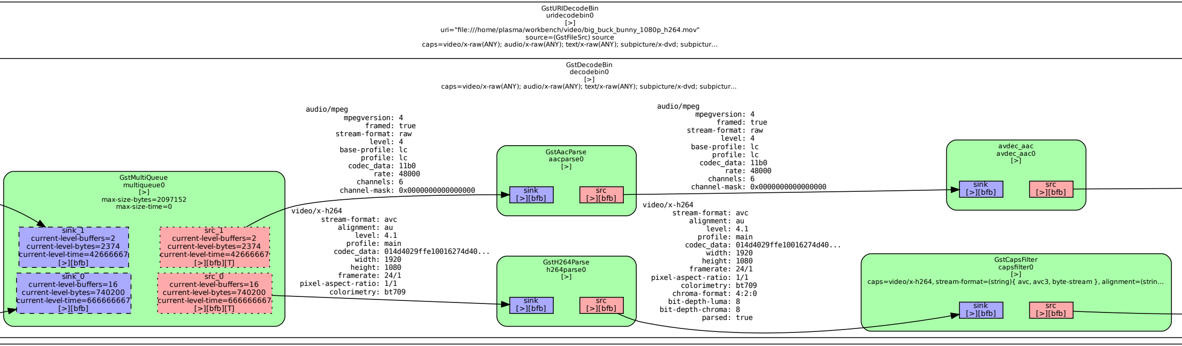
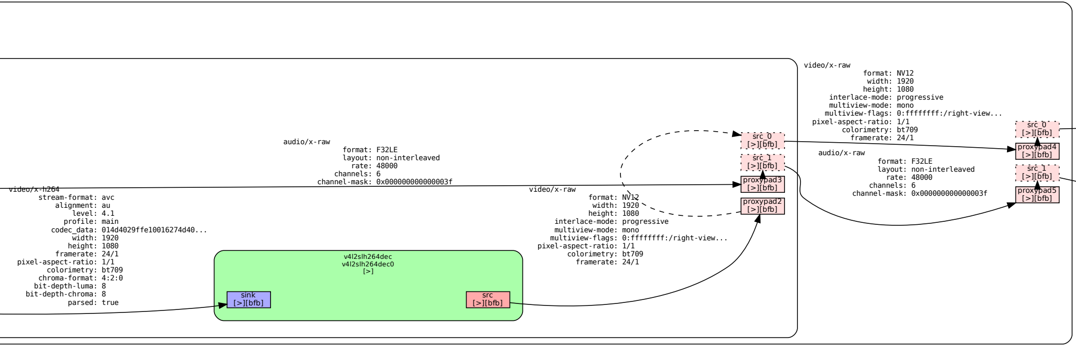
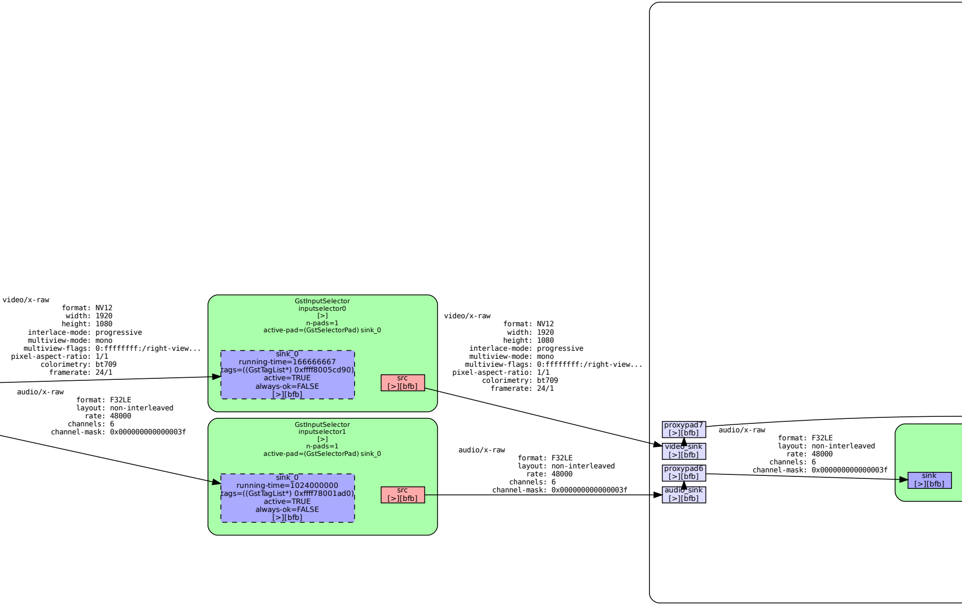

GstFileSrc
source
[>]
location="/home/plasma/workbench/video/big_buck_bunny_1080p_h264.mov"
src
[<][bfb]
ANY
sink
[<][bfb]
proxypad0
[<][bfb]
ANY
GstTypeFindElement
typefind
[>]
caps=video/quicktime
sink
[<][bfb][t]
src
[<][bfb]
ANY
video/quicktime
video/mj2
audio/x-m4a
application/x-3gp
GstQTDemux
qtdemux0
[>]
sink
[<][bfb][T]
audio_0
[>][bfb]
video_0
[>][bfb]
audio/mpeg
mpegversion: 4
framed: true
stream-format: raw
level: 4
base-profile: lc
profile: lc
codec_data: 11b0
rate: 48000
channels: 6
channel-mask: 0x0000000000000000
video/x-h264
stream-format: avc
alignment: au
level: 4.1
profile: main
codec_data: 014d4029ffe10016274d40...
width: 1920
height: 1080
framerate: 24/1
pixel-aspect-ratio: 1/1
colorimetry: bt709

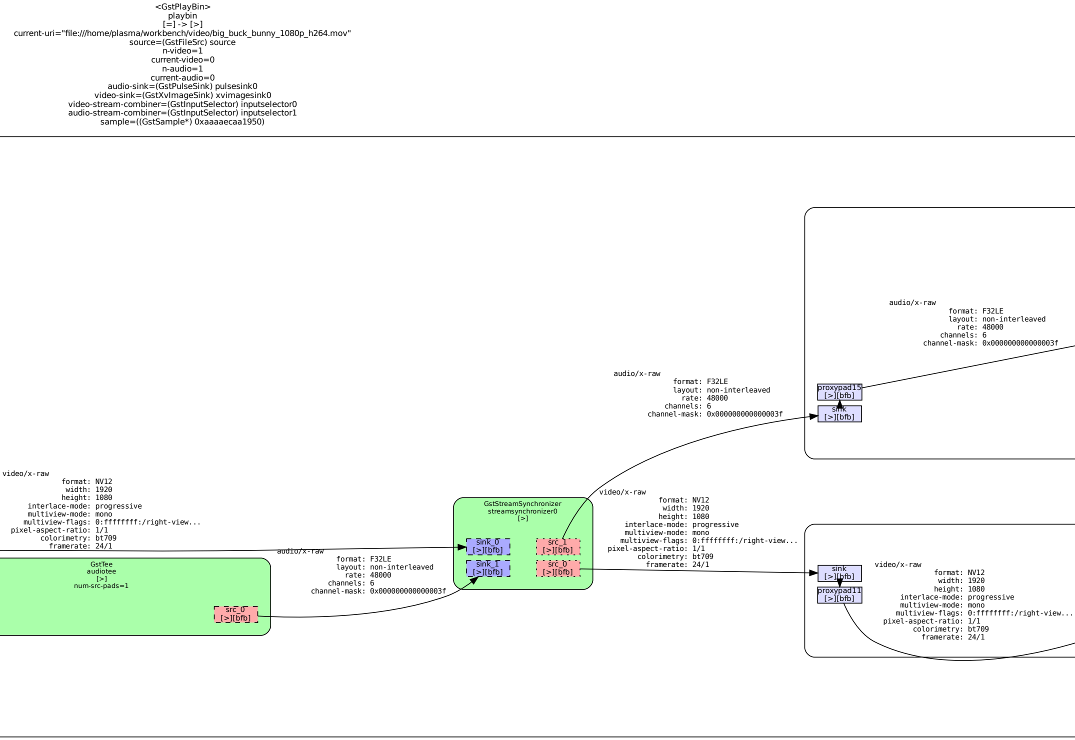
Legend
Element-States: [~] void-pending, [0] null, [-] ready, [=] paused, [>] playing
Pad-Activation: [-] none, [>] push, [<] pull
Pad-Flags: [b]locked, [f]lushing, [b]locking, [E]OS; upper-case is set
Pad-Task: [T] has started task, [t] has paused task

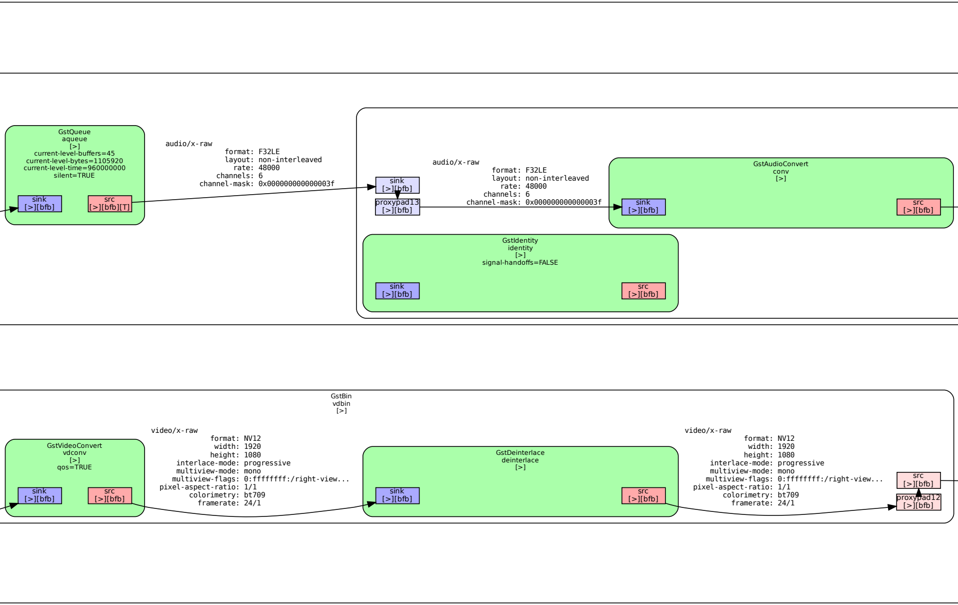

GstURIDecodeBin
uridecodebin0
[>]
uri="file:///home/plasma/workbench/video/big_buck_bunny_1080p_h264.mov"
source=(GstFileSrc) source
caps=video/x-raw(ANY); audio/x-raw(ANY); text/x-raw(ANY); subpicture/x-dvd; subpictur...
GstDecodeBin
decodebin0
[>]
caps=video/x-raw(ANY); audio/x-raw(ANY); text/x-raw(ANY); subpicture/x-dvd; subpictur...
GstMultiQueue
multiqueue0
[>]
max-size-bytes=2097152
max-size-time=0
sink_1
current-level-buffers=2
current-level-bytes=2374
current-level-time=42666667
[>][bfb]
src_1
current-level-buffers=2
current-level-bytes=2374
current-level-time=42666667
[>][bfb][T]
sink_0
current-level-buffers=16
current-level-bytes=740200
current-level-time=666666667
[>][bfb]
src_0
current-level-buffers=16
current-level-bytes=740200
current-level-time=666666667
[>][bfb][T]
audio/mpeg
mpegversion: 4
framed: true
stream-format: raw
level: 4
base-profile: lc
profile: lc
codec_data: 11b0
rate: 48000
channels: 6
channel-mask: 0x0000000000000000
video/x-h264
stream-format: avc
alignment: au
level: 4.1
profile: main
codec_data: 014d4029ffe10016274d40...
width: 1920
height: 1080
framerate: 24/1
pixel-aspect-ratio: 1/1
colorimetry: bt709
GstAacParse
aacparse0
[>]
sink
[>][bfb]
src
[>][bfb]
GstH264Parse
h264parse0
[>]
sink
[>][bfb]
src
[>][bfb]
audio/mpeg
mpegversion: 4
framed: true
stream-format: raw
level: 4
base-profile: lc
profile: lc
codec_data: 11b0
rate: 48000
channels: 6
channel-mask: 0x0000000000000000
video/x-h264
stream-format: avc
alignment: au
level: 4.1
profile: main
codec_data: 014d4029ffe10016274d40...
width: 1920
height: 1080
framerate: 24/1
pixel-aspect-ratio: 1/1
colorimetry: bt709
chroma-format: 4:2:0
bit-depth-luma: 8
bit-depth-chroma: 8
parsed: true
avdec_aac
avdec_aac0
[>]
sink
[>][bfb]
src
[>][bfb]
GstCapsFilter
capsfilter0
[>]
caps=video/x-h264, stream-format=(string){ avc, avc3, byte-stream }, alignment=(strin...
sink
[>][bfb]
src
[>][bfb]

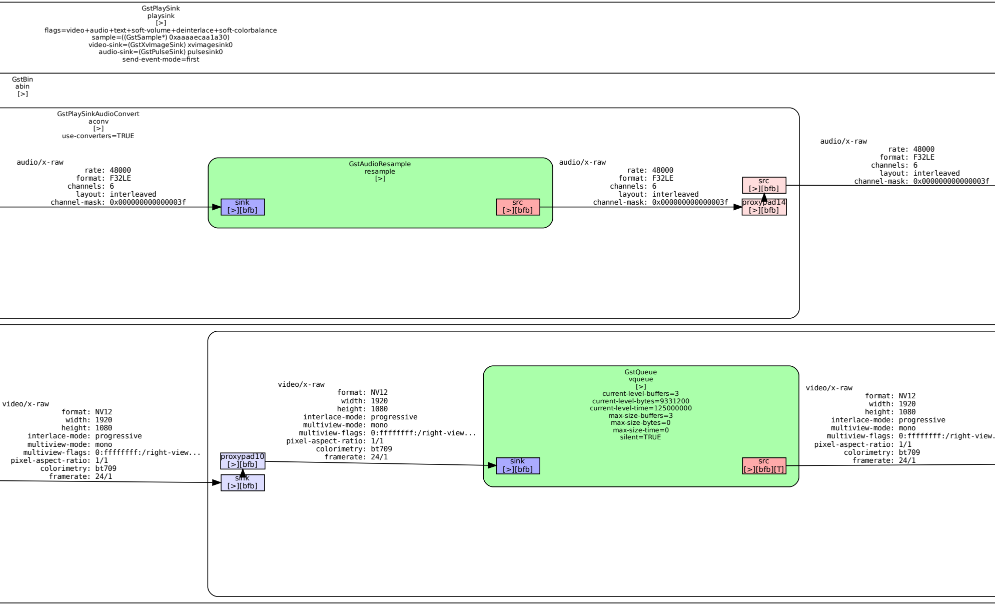


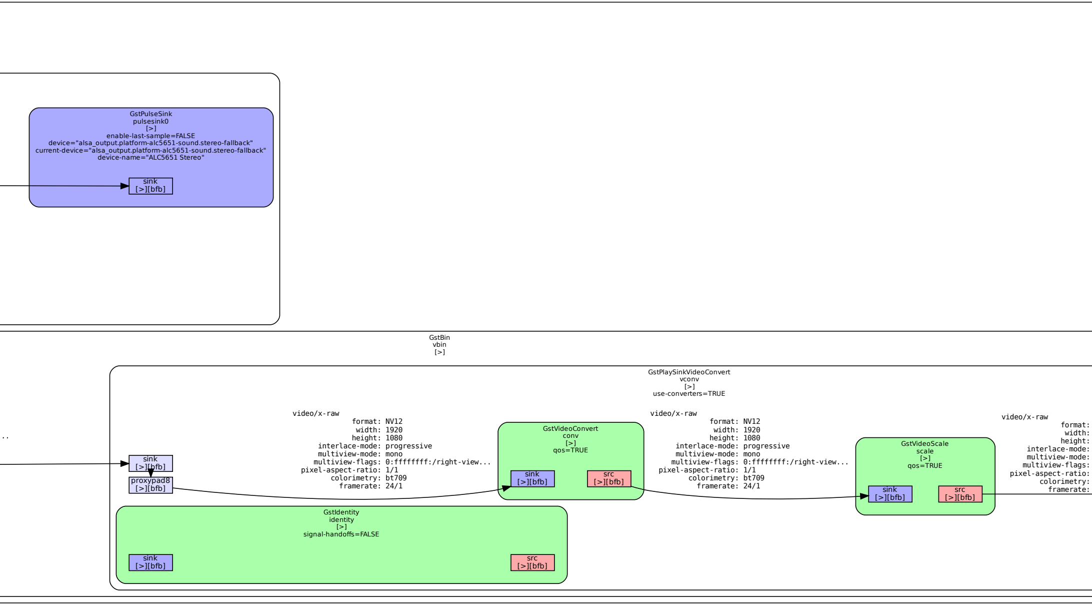
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
src_0
[>][bfb]
proxypad4
[>][bfb]
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
src_1
[>][bfb]
proxypad5
[>][bfb]
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
src_0
[>][bfb]
src_1
[>][bfb]
proxypad3
[>][bfb]
proxypad2
[>][bfb]
video/x-h264
stream-format: avc
alignment: au
level: 4.1
profile: main
codec_data: 014d4029ffe10016274d40...
width: 1920
height: 1080
framerate: 24/1
pixel-aspect-ratio: 1/1
colorimetry: bt709
chroma-format: 4:2:0
bit-depth-luma: 8
bit-depth-chroma: 8
parsed: true
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
v4l2slh264dec
v4l2slh264dec0
[>]
sink
[>][bfb]
src
[>][bfb]

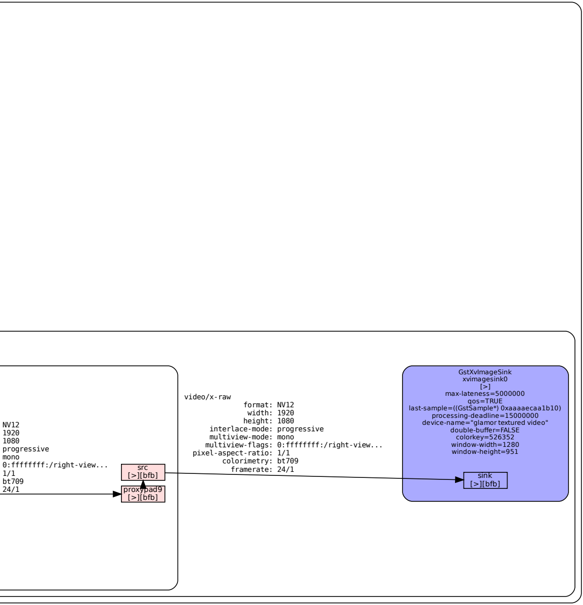

video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
GstInputSelector
inputselector0
[>]
n-pads=1
active-pad=(GstSelectorPad) sink_0
sink_0
running-time=166666667
tags=((GstTagList*) 0xffff8005cd90)
active=TRUE
always-ok=FALSE
[>][bfb]
src
[>][bfb]
GstInputSelector
inputselector1
[>]
n-pads=1
active-pad=(GstSelectorPad) sink_0
sink_0
running-time=1024000000
tags=((GstTagList*) 0xffff78001ad0)
active=TRUE
always-ok=FALSE
[>][bfb]
src
[>][bfb]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
proxypad7
[>][bfb]
video_sink
[>][bfb]
proxypad6
[>][bfb]
audio_sink
[>][bfb]
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
sink
[>][bfb]


<GstPlayBin>
playbin
[=] -> [>]
current-uri="file:///home/plasma/workbench/video/big_buck_bunny_1080p_h264.mov"
source=(GstFileSrc) source
n-video=1
current-video=0
n-audio=1
current-audio=0
audio-sink=(GstPulseSink) pulsesink0
video-sink=(GstXvImageSink) xvimagesink0
video-stream-combiner=(GstInputSelector) inputselector0
audio-stream-combiner=(GstInputSelector) inputselector1
sample=((GstSample*) 0xaaaaecaa1950)
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
proxypad15
[>][bfb]
sink
[>][bfb]
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
GstStreamSynchronizer
streamsynchronizer0
[>]
sink_0
[>][bfb]
sink_1
[>][bfb]
src_1
[>][bfb]
src_0
[>][bfb]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
GstTee
audiotee
[>]
num-src-pads=1
src_0
[>][bfb]
sink
[>][bfb]
proxypad11
[>][bfb]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1


GstQueue
aqueue
[>]
current-level-buffers=45
current-level-bytes=1105920
current-level-time=960000000
silent=TRUE
sink
[>][bfb]
src
[>][bfb][T]
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
sink
[>][bfb]
proxypad13
[>][bfb]
audio/x-raw
format: F32LE
layout: non-interleaved
rate: 48000
channels: 6
channel-mask: 0x000000000000003f
GstAudioConvert
conv
[>]
sink
[>][bfb]
src
[>][bfb]
GstIdentity
identity
[>]
signal-handoffs=FALSE
sink
[>][bfb]
src
[>][bfb]
GstBin
vdbin
[>]
GstVideoConvert
vdconv
[>]
qos=TRUE
sink
[>][bfb]
src
[>][bfb]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
GstDeinterlace
deinterlace
[>]
sink
[>][bfb]
src
[>][bfb]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
src
[>][bfb]
proxypad12
[>][bfb]


GstPlaySink
playsink
[>]
flags=video+audio+text+soft-volume+deinterlace+soft-colorbalance
sample=((GstSample*) 0xaaaaecaa1a30)
video-sink=(GstXvImageSink) xvimagesink0
audio-sink=(GstPulseSink) pulsesink0
send-event-mode=first
GstBin
abin
[>]
GstPlaySinkAudioConvert
aconv
[>]
use-converters=TRUE
audio/x-raw
rate: 48000
format: F32LE
channels: 6
layout: interleaved
channel-mask: 0x000000000000003f
GstAudioResample
resample
[>]
sink
[>][bfb]
src
[>][bfb]
audio/x-raw
rate: 48000
format: F32LE
channels: 6
layout: interleaved
channel-mask: 0x000000000000003f
src
[>][bfb]
proxypad14
[>][bfb]
audio/x-raw
rate: 48000
format: F32LE
channels: 6
layout: interleaved
channel-mask: 0x000000000000003f
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
proxypad10
[>][bfb]
sink
[>][bfb]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
GstQueue
vqueue
[>]
current-level-buffers=3
current-level-bytes=9331200
current-level-time=125000000
max-size-buffers=3
max-size-bytes=0
max-size-time=0
silent=TRUE
sink
[>][bfb]
src
[>][bfb][T]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view.
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1


GstPulseSink
pulsesink0
[>]
enable-last-sample=FALSE
device="alsa_output.platform-alc5651-sound.stereo-fallback"
current-device="alsa_output.platform-alc5651-sound.stereo-fallback"
device-name="ALC5651 Stereo"
sink
[>][bfb]
GstBin
vbin
[>]
GstPlaySinkVideoConvert
vconv
[>]
use-converters=TRUE
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
sink
[>][bfb]
proxypad8
[>][bfb]
GstVideoConvert
conv
[>]
qos=TRUE
sink
[>][bfb]
src
[>][bfb]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
GstVideoScale
scale
[>]
qos=TRUE
sink
[>][bfb]
src
[>][bfb]
video/x-raw
format:
width:
height:
interlace-mode:
multiview-mode:
multiview-flags:
pixel-aspect-ratio:
colorimetry:
framerate:
GstIdentity
identity
[>]
signal-handoffs=FALSE
sink
[>][bfb]
src
[>][bfb]


NV12
1920
1080
progressive
mono
0:ffffffff:/right-view...
1/1
bt709
24/1
src
[>][bfb]
proxypad9
[>][bfb]
video/x-raw
format: NV12
width: 1920
height: 1080
interlace-mode: progressive
multiview-mode: mono
multiview-flags: 0:ffffffff:/right-view...
pixel-aspect-ratio: 1/1
colorimetry: bt709
framerate: 24/1
GstXvImageSink
xvimagesink0
[>]
max-lateness=5000000
qos=TRUE
last-sample=((GstSample*) 0xaaaaecaa1b10)
processing-deadline=15000000
device-name="glamor textured video"
double-buffer=FALSE
colorkey=526352
window-width=1280
window-height=951
sink
[>][bfb]